



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

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| AD-A150 376 | <u>S</u> | MOS, Alan DOCUMENT IDENTIFICATION | E, ak. aug/984 |
| AD | | Approve | TION STATEMENT A d for public release; ibution Unlimited |
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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION:

#25704 Adak, AK

PERIOD:

HOURLY 1/73-12/82

DAILY 1/50-12/82

JOB NO. 72006

DATE

August 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

AD-A150 376

PREPARED FOR COMMANDER, NAVAL OCEANOGRAPHY COMMAND NSTL MS 39529



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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

| REPORT DOCUMENTATION PAGE | READ INSTRUCTIONS BEFORE COMPLETING FORM |
|---|--|
| 1. REPORT NUMBER 2. GOVT | ACCESSION NO. 3. RECIPIENT'S CATALOG NUMBER |
| | |
| 4. TITLE (and Subtille) | 5. TYPE OF REPORT & PERIOD COVERED |
| 1 | |
| Summary of Meteorological Observations, | Surface Reference Report 1973-1982 |
| (SMOS) Adak, Alaska | 6. PERFORMING ORG. REPORT NUMBER |
| | |
| 7. AUTHOR(e) | B. CONTRACT OR GRANT NUMBER(*) |
| NA NA | ļ |
| | |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS | 10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS |
| Naval Oceanography Command Detachment | AREA & WORK UNIT NUMBERS |
| Federal Building | |
| Asheville, NC 28801 | |
| 11. CONTROLLING OFFICE NAME AND ADDRESS | 12. REPORT DATE |
| Commanding Officer | August 1984 |
| Naval Oceanography Command Facility | 13. NUMBER OF PAGES |
| NSTL MS 39529-5002 | 358 |
| 14. MONITORING AGENCY NAME & ADDRESS(II dillerent from Cont | rolling Office) 15. SECURITY CLASS. (of this report) |
| | Unclassified |
| | 15a. DECLASSIFICATION/DOWNGRADING |
| | SCHEDULE |
| Approved for public release; distribution | n unlimited. |
| 17. DISTRIBUTION STATEMENT (of the abetract entered in Block 20 |), if different from Report) |
| | |
| 18. SUPPLEMENTARY NOTES | |
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| 19. KEY WORDS (Continue on reverse side if necessary and identify i | by block number) |
| Climatology, surface wind, temperature, p | |
| relative humidity, station pressure, extr | recipitation, ceiling, visibility, |
| daily temperature, weather conditions, mo | onthly climatology coastal mosion |
| snow depth, and cloud cover | menty crimatorogy, coastar region, |
| | |
| 20. ABSTRACT (Continue on reverse side if necessary and identify b | • |
| This data report consists of a six part s | tatistical summary of surface |
| weather observations. The six parts are: | Part A - Weather Conditions/ |
| Atmospheric Phenomena, Part B - Precipita | tion/Snowfall/Snow Depth, |
| Part C - Surface Winds, Part D - Ceiling | versus Visibility/Sky Cover, |
| Part E - Psychrometric Summaries, Part F | - Station Pressure/Sea Level Pressure |

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SECURITY CLASSIFICATION OF THIS PAGE (When Date Britis)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

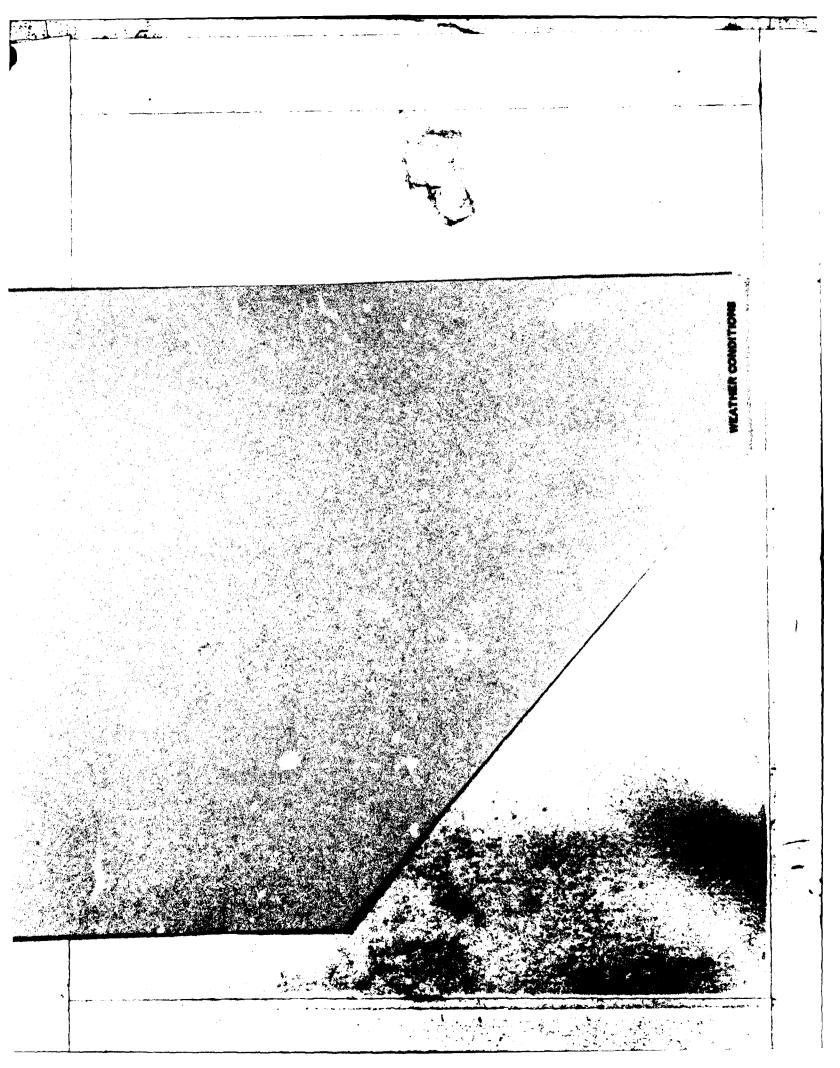
<u>DESCRIPTION</u>: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "O". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

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|)CATION | | GEOGRAPHICAL LOCATION & NAME | STATION | FROM | то | LATITUDE | LONGITUDE | FEET | TYPE BAROMETER | DAY |
| 1. | | Weather Office located on main k Birchwood hangar | | | 1959 | 51°53'N | 176°39'W | 14 | mercurial | 24 |
| 2. | | er Office located first new operations building | ns | 1959 | | " | " | 16 | " | 24 |
| la. | In Weath Birchwoo | er Office, main deck d hangar | NS | 1952 | 1959 | " | 11 | 18 | aneroid | 24 |
| 2a. | | er Office located first new operations building | ns | 1959 | 1961 | " | tr | | " | 24 |
| 3a. | AN/GMQ-1 | 4A cabinet, NOCD Office | NS | 1961 | 1968 | tt | " | 18 | ,, | 24 |
| 4a. | Inboard Ops Buil | bulkhead, NOCD Office ding | ns | 1968 | | 11 | n | 18 | 11 | 24 |
| IUMBER | DATE | SURFACE WIND I | EQUIPMENT INFOR | MATION | | 1 | <u> </u> | | <u> </u> | |
| OF CATION | OF CHANGE | LOCATION | | TYPE OF TRANSMITTER | TYPE OF RECORDER | HY ABOVE GROUND | REMARKS, ADO'T | IONAL EQUIPMENT | , OR REASON FOR CHAN | G E |
| 1. 2. 3. 4. 5. 6. | 1957 1959 1960 1962 | 1000'NNW of hangar & 25'E of control tower On 30' mast atop Birchwood Conversion of equipment Transmitter on roof of new same Located 500' on a bearing of true from the intersection runways 23-05 & 36-18 | hangar Ops Bld of 115° | | | | 1. Barograph (ML-3A) 2. Semi-Auto Met station(AN/GMQ-3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13B) 5. Theodolite (ML-247) 6. Transmissometer (AN/GMQ-10C) 7. Rewinsonde set (AN/GMD-13) 8. APT (AN/GRK-7) | | 33) | |
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NOCD, Federal Building Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

<u>Percentage of observations with precipitation</u> - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

lowing spray - This item if reported, is not shown in a separate category on this form but is included

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

n the computation Percentage of Observations with Obstructions to Vision.

OTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949.

Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years _mbined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

STATION STATION RAME YEARS MONTH

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| монтн | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|----------------|-------------------------|--------------------|------------------------|------------------------------------|-------------------------|
| | | 1.0 | | : | 70.1 | . 3 | 2.4 | 37 | 4 14 | 17.3 | | 112.7 | |
| | | | 28.1 | | 71." | 1 | 19.5 | 17.4 | | • | | , | - |
| | ı | • | 5. | .1 | 7: 1 | • 1 | :६.: | 71.4 | • *. | 17.7 | • - | | |
| | | | 2.79 | • 2 | را ۾ او ڪ | 1 | 23. | 72.7 | 1. | , 4 • 4 | - | | |
| | | | <u> </u> | | 25.7 | •1 | 2.4 | 97.0 | 1. | • | | 0.4 | |
| | | | | | 10: | | 7.4 | 61.5 | 1. | | • . | | |
| | | | 77. | | | | · * • 1 | ~ : <u>, 4</u> | 1. | | • - | | |
| | | • . | <u> </u> | | • 1 | | 5 | • 1 | 1. | | | | |
| ··· | | | 2., | | | | 85.4 | ÷ | | | • • | ,,,, | |
| | | 4 19 | • . | • 1 | , . | 6 | نه و | A | | • 1 | | ,, | <u></u> |
| | | | 7. | | 52.2 | 3 | 5.7 | | 1. | 4 | | | 2 - 3 |
| ٠, . | | 1.2 | - • | | ·5 . 1 | . 4 | 3 . | | | 1 | •. | • | |
| TOTALS | | 4 | - 4 a 3 | | 41. | | :2 | 42.0 | 1. | | | ų | 1,5: |

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STATION

STATION NAME

YEAR

MORTH

PERCENTAGE EREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| монтн | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND, OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|----------|-----------------------------|------|-------------------------|-----------------|-------------------------|------------------------------------|-------------------------|
| 4.,11 | 0.1 | | 19.7 | | 2.7 | | 38.3 | 12.9 | ٤ . | u . ɔ | • | 17.1 | 5 - ^ |
| | 7.4 | • 3 | 20.7 | • 3 | 20.4 | | 37.9 | 15.3 | | 3.9 | | 17.2 | 7 10 |
| | ., - | : | 29 .1 | | 75.2 | | 4 €.3 | 12.9 | | 3.5 | | 15.7 | 300 |
| | 1 - | 1 | 70.1 | | 79.5 | | 43.7 | 11.7 | . 3 | 3 • 2 | | 15.2 | 7 70 |
| | 1 - | : | 19.7 | ! | 23.9 | | 39.0 | 10.3 | · | 3.9 | | 14.2 | 317 |
| | 1: | | 19.7 | | .6.5 | | 42.3 | 11.0 | | 5.2 | | 15.5 | 71 |
| | 1 - | | 3F . C | | 75.5 | | 40.0 | 11.^ | | 4 . 2 | | 15.2 | 71 |
| | 22 | | 19.7 | | ⁹ 2.9 | | 79.7 | 11.5 | | 3.0 | | 15.5 | i1 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 20.0 | • 3 | 24.5 | <u>,</u> | 40.4 | 11.8 | • 1 | 4.1 | | 15.0 | 2475 |

2 774 A 149, 50

STATION NAME

PROCENTAGE FREQUENCY OF DECURPTION OF MEATHER CONDITIONS FROM HOUSELY DISCLUDITIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|---------------------------------------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| | : 1 | | 15. | | .5 • 2 | | 43.5 | ۵,۵ | | 5.7 | | 11.6 | - |
| | j. | . 4 | 17.7 | | | _ | 40.5 | 10.3 | | 5.3 | | 1 to | |
| | 7.7 | . 7 | 15.0 | | | | 43.5 | 7 . 7 | | /• ? | | 15.6 | *, * * * |
| | 3.0 | | 15.0 | | 70.3 | | 42.0 | 11.0 | | 7.1 | | 1 - • 1 | · · · · |
| | 1, | | 16.3 | | -3.7 | | 4(1.1 | . 2 | | ٠, ٦ | | 10.1 | , |
| | 1 | | 15. | | 1.2 | | 43.5 | 12.1 | | ¢ . 7 | | 17.7 | ٠. |
| | 1 | | 14.1 | : : | :3.7 | | 44.5 | 14.5 | | ۲. ۰ | | 20. | 2 . 3 |
| | | | 16.7 | | ₹5.1 | | 47.5 | 11.7 | | F . 7 | | 17.7 | ~ ,. * |
| | | ļ | | | | | | | <u> </u> | · · · · · · | | ; ; | |
| | | | - | | | | | | | | | | |
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| | | | | | | , | | | | | | | |
| TOTALS | | • 1 | 16.4 | | 72.5 | | 44.5 | 11.1 | | 6.7 | | 17.1 | 2051 |

STATION STATION NAME 7.5-F? MATE WEARS MONTH

PERSENTACE ENCOUNTY OF OCCUPRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| монтн | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING | DUST AND: OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|----------|-----------------------------|------|-------------------------|---------|-------------------------|------------------------------------|-------------------------|
| | - 1 | | 71. | • 3 | 34.5 | | c 1 • 3 | 11.5 | | 4.3 | | 15.5 | 717 |
| | ! ?4 | · | • • | | 71.3 | <u>.</u> | 46.5 | 17.6 | | 3.0 | | 14.7 | !10 |
| : | 7 | | 15.7 | | ₹೧.ភ | | 43.5 | 13.5 | | 2.7 | | 1: -1 | 110 |
| | 1 10 | | 19.4 | | ²0•3 | | 43.9 | 11.5 | | 3.2 | · | 13.5 | ?1" |
| | 1. | 1 | 10.7 | | 771.E | | 42.0 | 5.7 | | 2.3 | | 11." | 717 |
| | 1. | <u> </u> | 17.1 | ' I | 27.1 | | 39.n | 9.0 | | 1.3 | | 13.3 | 311 |
| | 1 - | | 21.7 | | 31.6 | | 47.7 | 11.3 | | n . 2 | | 15.5 | 315 |
| | ? | | 23.5 | | ~2.3 | | 49.5 | 9.7 | | 3.9 | | 17.5 | 21^ |
| | | | | | | | | | | | | | |
| | | | | | | | 1 | | | | | | <u>_</u> |
| | | | | | | | | | | | | | |
| TOTALS | | | 77.1 | • 5 | 71.0 | | 45.4 | 13.6 | | 3.3 | | 13.8 | 2430 |

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| STATION | A A P AM. STATION NAME | 7 3 - 5 : YEARS | (P f |
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| STATION | STATION NAME | TEARS | =0#1# |

20 - CENTARE EMEQUENCY OF DOCUMENTACE OF WEATHER CONDITIONS FROM HOUSELY DESERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND: OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|-----------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|-------------------------|------------------------------------|-------------------------|
| • • • • • | | | 23.7 | | 24.7 | | 43.2 | 14.0 | | 2.0 | | 16.6 | 370 |
| · | <u> ; : :</u> | · | 75.3 | | 24.7 | | 46.0 | 12.3 | | 1.7 | | 14.5 | 700 |
| | | | 19.3 | | | | 43.7 | 15.3 | | 3 | | 17.7 | 200 |
| | 12 | • | 23.7 | | 25.3 | | 44.3 | 14.0 | · | 2.3 | | 15.3 | 300 |
| | 11 | : | 22.1 | | 70.1 | | 43.7 | 16.3 | | 1.3 | | 17.3 | מרד |
| | 1.5 | : | 25.3 | | 77.7 | | 42.7 | 16.0 | | 1.7 | | 17.2 | 200 |
| - | 1. | <u> </u> | 23.7 | | 34.7 | | 44.7 | 17.7 | | 1.5 | | 18.7 | 770 |
| | 23 | | 25.3 | | 24 • 3 | | 45.7 | 17.3 | - | • 7 | | 17.7 | <u>300</u> |
| | | | | | | | | 7 | | | | | |
| | | | - | | | | | | | | | | |
| TOTALS | | | 23.5 | | 24.2 | | 43.9 | 15.3 | | 1.5 | | 16.8 | 2400 |

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| STATION | STATION NAME | YEARS | MORTH |
| | | | |

PICCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| нтиом | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING | DUST AND: OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-------------------|-------------------------|------------------------------------|-------------------------|
| ب پر ت | 31_ | | 43.5 | | 10.0 | | 47.0 | 21.0 | | · · | | 21.5 | 71 |
| | 24 | <u> </u> | 41.3 | ! | 9.0 | | 47.4 | 23.5 | | · + | . 3 | 23.5 | 712 |
| | 47 | <u> </u> | 37.7 | | 10.0 | | 43.2 | 26.1 | | i | 3 | 26.1 | 317 |
| | 10 | | 33.5 | | 7.4 | | 39.4 | 21.0 | | | . 3 | 21.5 | 310 |
| | 1? | | 35.8 | | 7.4 | | 39.7 | 19.7 | - | · | | 19.7 | 41. |
| | 1' | | *n.0 | | 7.1 | | 34.2 | 20.7 | • 3 | ! | | 26.3 | *12 |
| | 16. | | 31.5 | | 4.2 | | 73.2 | 12.7 | | : | | 19.7 | 313 |
| | 22 | | 35.5 | | 7.1 | | 41.3 | 23.9 | | ! | | 23.9 | 310 |
| | | | , | | | | | | | <u> </u> | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 35.1 | | 7.9 | | 43.4 | 21.7 | • 5 | | . 1 | 22.0 | 2483 |

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|---------|--------------|-------|--------------|
| | | | |
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | AND/OR | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND: OR HAZE | BLOWING | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|--------|---------------------------------------|-------------------------|------|-----------------------------|---------|--------------------------|-------------------|------------------------|------------------------------------|-------------------------|
| | 7: | + | 42.3 | - | | | 42.3 | 35.7 | ٠,٦ | | | 35.7 | 1117 |
| | * 4 | | 43.3 | <u> </u> | | | 43.2 | 38.7 | | • | | 35.7 | <u> </u> |
| | 97 | + | 40.0 | | • | | 47.0 | ~e. , 7 | | • | | 36.7 | 300 |
| | 12 | • | 73.7 | | | | 73.7 | 32. | | | , | ₹2.3 | 713 |
| | 1 ' | <u> </u> | 20,0 | · · · · · · · · · · · · · · · · · · · | | | 2.0 | 23.2 | | · | | 22.3 | |
| | 1.5 | | 79.7 | l | + | | 79.7 | 71.0 | ···· | • | : | 21.0 | 300 |
| | 10 | | 73. | · | | | 3.", | 26 | | | : | 76.0 | 300 |
| | 3.3 | ļ | 36. | : | | | 76. | 34.3 | | | - | 34.3 | 300 |
| | | - | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | | 35.7 | | | | 35.2 | 30.9 | | | | 11.6 | 2400 |

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|---------|--------------|-------|-------|
| STATION | STATION NAME | YEARS | MONTH |

FUNCTIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND: OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|----------|-------------------------|-----------------|-------------------------|------------------------------------|-------------------------|
| ادك ا | 31 | | 42.7 | | | | 42.9 | 46.1 | | | | 48.1 | 317 |
| | 74 | | 44. | | | | 44 • 0 | u=.5 | | | | 45 | 710 |
| | ر و | | 42.0 | | | | 42.0 | 51.3 | | | | 51.3 | 317 |
| | 13 | | 37.7 | | ; | | 77.7 | 43.5 | | <u> </u> | | 43.5 | 317 |
| | 1 * | | 79.7 | | į | | 29.7 | 70.3 | | | | 70.3 | 71. |
| | 1 | | 77.7 | | | | 27.7 | 29.7 | | | | 79.7 | *1 ' |
| | 12 | | 71. | | | | ,1 | 77.7 | | | | 37.7 | 117 |
| | ر ر | | 30.5 | | | | 35.5 | 42.1 | | <u> </u> | | 45.1 | 710 |
| | | | | | | | | | | | | | |
| | | | | | | | | <u> </u> | | ļ | | | |
| - | | | | | | | - | | | - | | | |
| | | | | | | | | | | | -1 | - | |
| TOTALS | | | 35,5 | | | | 36.5 | 41.5 | | | | 41.5 | 2485 |

| 27 4 | ACAM, AK | 73-82 | Viic |
|---------|--------------|-------|-------|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY DESERVATIONS

| нтиом | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | юс | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/ OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|----------|-----------------------------|------------------|-------------------------|-----------------|-------------------------|------------------------------------|-------------------------|
| 11 - | 1 | | 42.2 | | | | 42.5 | انون | . 3 | ; | | 50.6 | *1^ |
| | 4 | ļ | 4400 | | | | 44.3 | 51.3 | | : | | 51.3 | 310 |
| | 37 | <u> </u> | 42.5 | | | | 42.6 | *3.2 | | · | | 53.2 | 317 |
| | 13 | | 32.4 | | | | 73.4 | 43.9 | • 3 | ! ! | | 43.0 | 71-7 |
| | 17 | | 33.5 | | | | ?3.5 | 37.4 | • 3 | | | 37.4 | 717 |
| | 1 " | | 35.5 | 3 | | | 35.5 | 41.3 | ذ • | | | 41.6 | 317 |
| | 10 | | ₹9.1 | | | | 33.1 | 48.7 | • 6 | · • | | 46.7 | 310 |
| | ,,, | | 91.6 | | | | 41.2 | r _{1.6} | • 3 | | | <1.6 | 310 |
| - | | | | | | | | | | <u> </u> | | | <u></u> |
| | | | | | | <u> </u> | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | | | | | | | | | - نست پی د |
| TOTALS | | L | 39.6 | | | | 13.0 | 47.3 | 3 | | | 47.3 | 2480 |

| | *** | | |
|---------|--------------|------------|----------|
| 2 7 4 | ATA, AX | 7 ? = \$? | <u> </u> |
| STATION | STATION NAME | YEARS | MONTH |

PERCENTACE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| нтиом | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING | DUST AND/ OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|----------|-------------------------|------------------------------------|-------------------------|
| | 51 | <u> </u> | ₹0 . 3 | | | | 70.3 | 24.7 | | | | 25.3 | |
| |) 4 | <u> </u> | 31.3 | | | | -1.3 | 27.7 | • 3 | | | 24.0 | <u></u> |
| | 17 | ; • | 30 • D | | • 3 | | 70.2 | 31.2 | | · | | 71.0 | 300 |
| | 10 | <u>;</u> | 30. | | • 3 | | 20.7 | 24.7 | • 3 | | | 25.2 | ז ָ ז |
| | 1 7 | | 72.7 | | | | 72.7 | 27.3 | | | | 23.3 | 100 |
| | 1 & | | 27.5 | | | | 27.3 | 72.0 | .7 | · | | 22.7 | 7-0 |
| | 10 | | 26.3 | | | | 76.3 | ?2.3 | 1.3 | | | 27.03 | 120 |
| | | <u> </u> | 29.7 | | | | 29.7 | 24.7 | . 7 | | | 75.3 | 100 |
| | | - | ļ | | | | - | | | <u> </u> | | - | |
| | | | | | | | | | | - | | | |
| | | | | | | | | | | | | | · |
| TOTALS | | | 29.8 | | . 1 | | 29.5 | ?4.6 | . 5 | | | 25.0 | 2400 |

| . 7 4 | ATA- A- | 17-6 | りもず |
|---------|--------------|-----------|-------|
| STATION | STATION NAME | YEARS | MONTH |

DERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS.

| нтиом | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | юс | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| C.T | .1 | | 75.5 | · | _5 <u>.</u> 5 | | 74.2 | 17.4 | | | | 17.4 | 712 |
| | 24 | · | 7 | | 2.6 | | 71.5 | 15.5 | | | | 1 - 3 | 217 |
| | | | •1.c | | 2.9 | | 72.3 | 14.4 | | | | 15.4 | בוי |
| | 10 | • | 25.4 | | 5.2 | | 71.6 | 15.7 | • 3 | | | 70.0 | 717 |
| | 1! | • 3 | 30.0 | · · · · · · · · · · · · · · · · | 3.2 | | 72.5 | 16.5 | .6 | | | 17.1 | ₹10 |
| | 1: | ; | 29.1 | <u> </u> | 2.", | | 32.3 | 15.4 | 1.2 | <u></u> | | 20.3 | 710 |
| | !- | <u> </u> | 25.4 | | 2.5 | | 7, .6 | 15.4 | | | ļ | 17.7 | 710 |
| | | | 27.7 | · | 4.2 | | 71.3 | 15.5 | | | <u> </u> | 1: •5 | 710 |
| | | | | | | | | | | : | | _ | |
| · | | | | | | | + | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | •0 | 29.1 | | 3.6 | | 72.1 | 17.9 | . 3 | _ | | 18.1 | 2430 |

| 3 T T 4 | S A . A . A . | 73- n | NOV |
|---------|---------------|-------|-------|
| STATION | STATION NAME | YEARS | MONTH |

PETCENTAGE FREQUENCY OF OCCUPRENCE OF PHATHER CONCITIONS FROM HOURLY DRISERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|----------|-------------------|--------------------|---------------------------|--|-------------------------|-------------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| <u> </u> | 31_ | | 23.1 | | 13.2 | | 12.7 | 10.7 | . 3 | · | · | , | y |
| | 3.1 | ! | 74.7 | | 12.7 | | 34.7 | 11.7 | | 1.0 | | 1:.7 | 4 |
| _ | r; | | 27.0 | ! | 14.3 | | .88.0 | 12 | | 1.7 | | 13.0 | 327 |
| | 17 | i . | 76.3 | į ! • • • • • • • • • • • • • • • • • • • | 14.7 | | 35.7 | 16.7 | · | 1.3 | | 10.0 | * |
| | 1, | ļ | 79. | | 14.3 | | 37.7 | 17.3 | ? | | 1 | 18.3 | 7 . 7 |
| | 1. | | 28.7 | İ | 14.7 | | 40.8 | 17.3 | · | 1.7 | <u> </u> | 13.7 | 300 |
| | 1.7 | <u> </u> | 25.3 | ; | 14.7 | | 36.7 | 14.3 | | . , , | ! | 15.0 | *~; |
| | 2? | | 23.3 | | 11.5 | | 7:00 | 11.3 | • 3 | 1." | | 12.7 | ۲.٦ |
| 7-1 | | | · · · · · · | | | | | - | - | ! | | | |
| | | | | | | ···· | | | | | | - | |
| | | | | | | | | | | : | | | |
| TOTALS | | .5 | 25. | | 13.5 | | 75.5 | 13.9 | • 1 | . 7 | | 14.7 | 24 |

| 757 L | A 3 A A 2 | 73-22 | ٠-٢ |
|---------|--------------|-------|-------|
| | 71.0 | | |
| STATION | STATION NAME | YEARS | MONTH |

PENCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUSLY OBSCRYATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING | DUST AND/ OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|-------------|-----------------------------|------|-------------------------|---------|-------------------------|------------------------------------|-------------------------|
| D. 7 | 51 | | 25.2 | | 75.2 | | 45.2 | 11.0 | | 2.9 | | 14.5 | 71. |
| | 74 | | 74.2 | | 74.3 | | 44.6 | 17.9 | | 1.0 | | 15 . 5 | 717 |
| | 0,7 | ! | 25.2 | | 29.4 | | 49.7 | 13.9 | | 3.9 | | 17.7 | 711 |
| | 12 | | 15.5 | | ?3.5 | | 39.7 | 12.6 | | 2.3 | | 14.3 | 317 |
| - | 1. | - | 21.0 | | 28.2 | | 42.1 | 15.2 | | 2.3 | | 17.5 | 37,9 |
| | 1: | • 3 | 21.4 | | 24.3 | | 42.7 | 16.5 | | 2.3 | | 15.8 | <u>\$69</u> |
| | 15 | | 23. | | 21.4 | | 40.9 | 14.9 | . = = | 1.9 | | 16.5 | 730 |
| | | | 23.0 | | 25.2 | | 44. | 12.3 | | 2.3 | | 14.2 | 307 |
| | | | | | | | | | | | | | |
| | | | | | | · • | | | | | | | |
| TOTALS | | | 22 | | 75.3 | | 43.6 | 13.9 | | 2.5 | | 16.3 | 2476 |

| STATION STATION | AT A - 1 A - STATION NAME | 77-00 YEARS | A; L hthom |
|-----------------|---------------------------|-------------|---------------|
|-----------------|---------------------------|-------------|---------------|

PERCENTAGE FORGUENCY OF OCCUPRENCE OF WEATH - CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND 'OR HAZE | BLOWING | DUST AND/ OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|--------------------------|---------|-------------------------|------------------------------------|-------------------------|
| | 466 | • 6 | 13.5 | •0 | 24.5 | | 40.4 | 11.8 | • 1 | · 4.1 | | 15.3 | 2476 |
| | | 1 | 15.4 | | 72.5 | | 44.9 | 11.1 | | 6.0 | | 17.1 | 2254 |
| ·· 4 · | | | 27.1 | • 0 | 71. | | 45.4 | 1 .6 | | 3.3 | | 13.6 | 2487 |
| 1.6 | | | 23,€ | | .14 . 2 | | 43.5 | 15.3 | | 1.5 | | 16.8 | 245 |
| 147 | | | 36.1 | | 7,9 | | 40.0 | 71.° | | | •1 | 22.5 | 245 |
| | | 1 | 75. | · | • 1 | | 35.7 | 70.4 | • 1 | | | 31.0 | 2430 |
| ، ل | | | 36.5 | | | | 36.5 | 41.5 | L | | | 41.5 | 2480 |
| | | | ₹0.6 | | | | 37.0 | 47.3 | , 2 | | | 47.3 | 2441 |
| ~ | | | €9.6 | | -1 | | 73.8 | 24.5 | • 5 | | | 25.0 | 2430 |
| • | | •0 | 29.7 | | 3.6 | | ?2.1 | 17.9 | • 3 | | | 18.1 | 2450 |
| 8 mg | | ۵. | 25.3 | | 13.5 | | 35.9 | 13.9 | • 1 | . 7 | | 14.3 | 2400 |
| .55 | | | 22.5 | | 25.3 | | 43.6 | 15.9 | | 2.5 | | 16.3 | 2476 |
| TOTALS | | • n | 28. | • 7 | 13.6 | | ₹७.1 | 21.7 | • 1 | 1.5 | .0 | 23.3 | 2525 |

1 6 .

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JANUARY 1973-DECEMBER 1982 JANUARY

| 35 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N | | PAN SEDWSES | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE | 8LOWING | BLOWING SAND AND DUST | NO WEATHER |
|--|------|----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|---------------|--------------------------|-------------|-------------|--------------------------------|---------------|
| · · · · · · · · · | ` | 2.0 | 1.5 | | • 5 | 70.0 | | | 3.5 | | • 5 | 0.0 | | 50.5 |
| 14 N E | 15.4 | 4.2 | 3.8 | • 3 | • 3 | 29.9 | | | 12.8 | | | 7.6 | | #G • C |
| | 10.1 | 4.6 | 5.8 | 1 | 1.2 | 26.0 | | | 19.1 | | | 9.8 | | 43.4 |
| ENE | 23.7 | 3.7 | 12.1 | 1 | • 5 | 25 • 3 | | | 22.1 | | | 8.9 | | 38.9 |
| E | 1.3 | 6.4 | 8.5 | 1 | • 5 | 35.1 | | | 12.2 | | | 5.3 | | 37.2 |
| ESE | 24.5 | 10.5 | 3.5 | | ÷ | 21.1 | | | 17.3 | | | 3.5 | | 47.4 |
| | 32.1 | 6.5 | 10.9 | 1 | 1 | 26.1 | | | 15.2 | | | | | 47.8 |
| SSF | 36.5 | 2.7 | 17.6 | i | 1.4 | 18.9 | | | 25.7 | | | | | 44.6 |
| | 24.3 | 3.9 | 14.4 | | | 18.3 | | | 21.6 | | | • 7 | | 49.7 |
| 35 W | 9.7 | 11.5 | 9.7 | | | 20.4 | | | 12.4 | | | | | 54.0 |
| 34 | 7.0 | 5.9 | 9.7 | 1 | | 16.2 | | | 14.3 | | | 1.3 | | 64.9 |
| WSA. | 3.4 | 1.1 | 3.4 | | .6 | 18.9 | | •6 | 5.1 | | . 6 | •6 | | 73.1 |
| * | 1.1 | 4.8 | 3.2 | | 1.1 | 28.7 | | | 4.8 | | | 2.7 | | 63.8 |
| * `. A | 7.1 | 1.6 | 1.5 | | 1.6 | 23.4 | | | 4.7 | | | 4 . 7 | | 67.2 |
| × 4 | 1. | • | | | 1 | 78 . 2 | | | 1.8 | | | 3.6 | | 55.2 |
| | 1.1 | 2.2 | | 1 | | 33.3 | | | | | | 1 • 1 | | 66.7 |
| , A R . A P . F | | | | | | | | | | L | | | | |
| | 3. | 247 | 1.7 | | | 79-6 | $\geq \leq$ | >< | \rightarrow | | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | |
| * · · · · A | z^4 | 102 | 149 | 1 | 11 | 601 | | 1 | 292 | 1 | 2 | 101 | | 1396 |
| 7 | 12.3 | 4.1 | 6.0 | • 3 | . 4 | 24.3 | | • 0 | 11.8 | • 3 | • 1 | 4.1 | | 56.4 |

TOTAL NUMBER OF OBSERVATIONS

2,476

NAVHOALERVOOM

| | | 10 10 121 | 1922 4 | FR*EITA - A N. - EMFFITALL | 7 4-1 1-1 1-25 24-15 | CPAINS PELLETS SHUWERS | →AIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND 1 FOG | SMORE | BLOWING SNOW | BLOW NG SAND AND DUST | NC REHTARW |
|------|-------------------|-----------------|--------|----------------------------------|----------------------------|------------------------------|-----------------------|------------------|---------------|----------------------------|----------|-----------------|--------------------------------|---------------|
| | 7 • a | 7.2 | 4.1 | • | 5 . | 48.4 | | † · - | 1 .3 | | <u> </u> | 5.5 | - | 37.0 |
| | | 1.3 | 1.7 | • | | 2.5 | | † · · · ———] | 4.6 | | T | 1 .5 | | 45.7 |
| | 1 | 3.4 | 7.4 | • | • | 77.9 | | | 4 | 1 | | 17.6 | · | 43.7 |
| F 3. | 10." | 2.7 | 6.3 | • | • | 4 - 1 | | | 12.6 | | | 13.5 | • - · · 1 | 35.1 |
| | 1 1 • 2 | 3 . 4 | 6.1 | • | 2.7 | 45.3 | | 1 | 11.2 | | 1 | 10.1 | | 37.3 |
| - 14 | 15 | 4.5 | 12.1 | | • | . 4 • . 7 | | † 1 ! | ₹4 - 2 | | 1 | 6.1 | | 43.8 |
| | 27 . h | 5.2 | 24.1 | • | • | 12.1 | | 11 | ₹+, • ? | | 1 | 1 | | 43.1 |
| | 2. | 3.3 | 16.7 | | | 1.1 | | 2.2 | 7.7 | 1 | Ť | 1.1 | | 43.5 |
| | $1^{\pm} \cdot 3$ | 4.6 | 6.9 | | • | 16.5 | | | 16. | | | 7.3 | | 57.2 |
| • | 10.9 | 5 • 9 | 7.7 | | • | 15.4 | | | 9 | | | | | 67. |
| | € • T | 4 . 7 | ₹.3 | | • | 10.5° | | • * | 9.4 | | | 5.5 | | 63. |
| | * • 1 | 4 • 1 | 4 • 1 | | | 23.0 | | | 3 • 8 | | | .4 | | 57.0 |
| | 6 | 2. | 4.6 | | • | 36 • 5 | | | € • 1 | | Ī | •1 | | £1. |
| | 1.1 | 2 • 2 | | | | 77.4 | | .] | 4.4 | |] | 1 3.3 | | 56.7 |
| | | | | | • | | _ | | 2.5 | T | I | 7.7 | | र द्यु•ुक |
| | 1.7 | 2 • | | | 1.5 | 3.0 | | | 9 🗸 😅 | T | | 1 .0 | | 77.5 |
| | | | | | | 7 | | | | | | | | |
| | * • 7 | | | | | 120 | ` ≥< <u>`</u> | | | | | | | |
| | 2 7 1 | e 3 | 113 | , | 7 | 7.00 | | 3 | 24.9 | 1 | | 136 | | 1174 |
| | 1 7 . 1 | 2.8 | ř • n | | • 3 | 32.3 | | .1 | TI. | • . | 1 | • | | 5.7. |

TOTAL NUMBER OF OBSERVATIONS

74

3

2,256

UNIMER 1973-F CEMBER 1982 ANDER

| | | - 12 * | 1988 NO 10 | LET THOMERS F PYSTALS | SNOW GRAINS PELLETS SHCWERS | HAIL SA'ALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | 51°08E H | BLC WING | BLUW NO SAND AND CUST | W. E.A. T. H. F.R. |
|---------|-------------|--------|------------|--------------------------------|--------------------------------------|------------------------|---------------|---------------------------------------|--------------------------|--|---------------------------------|--------------------------------|--------------------|
| 11. | $1 \cdot 0$ | 7 • 1 | • | | :: 3 • 1 | | <u>†</u> | | | † · | 3.4 | | 44. |
| 7 • | 4.7 | • 6 | · - | | 36.5 | . — — - | | 4.1 | | | 3.5 | | 44.1 |
| | 1.3 | 1.8 | | | 72.1 | | | 7.7 | | Ī | 7.7 | | 3 |
| 7.7 | 5 • 9 | 5.0 | | 1.7 | 45.4 | | | 7 | | I | 4 | | 77.4 |
| 13. | 2 • 5 | 5.9 | | | 3.8 | | | 14.4 | | I | 2 • 5 | | 47 |
| 77.1 | 5.6 | 4.3 | | | 76.1 | | 1 - 1 | 77.= | · | ļ | | | <u> </u> |
| 7.5 | 7.4 | _ | | | ំឥ 👵 | | ; • | 1 . 7 | | <u> </u> | | | 4 - |
| • | 6.5 | 4.3 | | 1.1 | 73.7 | | | | | ļ | ļ | | 41. |
| `** • 1 | 5.0 | 7 • 9 | | 2.5 | | | 1 | 71. | | | 1.1 | | 42. |
| 10. | 7.8 | 7. 9 | | | 16.7 | | | . <u> </u> | | <u>; </u> | • • • • • • • • • • • • • • • • | | 57.5 |
| 4 • | 3.7 | • 3 | | | 14. | | ļ | 1.7 • 7 | | · - · - | + | <u>_</u> | 65.7 |
| • | 3 • 6 | 7.6 | | | 74.3 | | 1 | · · · · · · · · · · · · · · · · · · · | | : † | 1 - | | 54.5 |
| • 3 | 3 • 1 | 4.7 | | • 4. | 70.1 | | | | | | 7.6 | | |
| 5 | 1 • 5 | 1.3 | • 1 | ? • 3 | 44.3 37.4 | | ļ . | | | | 9 | | 55.5° |
| | 1.5 | ₹.1 | | | | | | | | ļ | 3 8 | | <u> </u> |
| • - | • 1 | | | • . | ,,,,, | | | | | ļ | ↓ | | |
| 4. | | .E, F | | | 13.7 | | | >>< | | | | | 7 |
| 124 | 7.7 | 114 | | 1.2 | | | | 264 | | | 85 | | 17., |
| . • 1 | 3.6 | 4 . 1) | • | • | ₹0.3 | | | 1 • 5 | | <u> </u> | ₹.3 | | |

TOTAL NUMBER OF OBSERVATIONS

3

ACAK, AK JANJARY 1973-DI CEMBER 1982 APRIL

|] | er e | PA 14 | DR:ZZLE | FREEZING RAIN FREEZING OPICZLE | SLEET SHOWERS CE CRYSTALS | SNOW GRAINS PELLETS SHOWERS. | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING | BLOWING SAND AND DUST | NO WEATHER |
|----------|--|-------|---------|---|------------------------------------|---------------------------------------|-----------------------|---------|-----------------|--------------------------|---------------|---------|--------------------------------|----------------|
| · | 5. 🔻 | 2.6 | | | | 25.7 | | | 17.00 | | | 1.3 | | 61.7 |
| i wa | | 5.3 | 5.6 | | | 28.6 | | | 11.1 | | 1 | | | 55.6 |
| | 14.1 | 1.4 | 1.4 | | | 35.2 | | | 9.9 | | | | | 53.5 |
| 1.8.5 | .7 | 1.1 | 5.3 | | | 34 • 0 | | | 14.9 | i | | | | 47.5 |
| | 71.7 | · | 14.6 | | | 32.9 | | | 24.4 | | | 1.2 | | 35.4 |
| 5.5E | $= \frac{7 \cdot 3}{42 \cdot 7}$ | 2.0 | 10.0 | | | 22.0 | | | 20.0 | | 1 | 2.0 | | 54.7 |
| »E | 42.7 | 9.3 | 25.3 | | | 12.0 | | | 37.3 | | | 1.3 | | 52. |
| TOSE ! | 77.1 | 5 • 6 | 14.6 | | 3.4 | 15.7 | | | 71.3 | | | | | 37.1 |
| | 26.3 | 11.1 | 10.5 | | .6 | 9.4 | | | 26.7 | | Ī | | | 45.0 |
| | 71.1 | 8.6 | 14.8 | | .8 | | | | 23.4 | | | 1.6 | | 45.3 |
| | ≥ • 8 | 5.2 | 6.8 | | 1.2 | 10.8 | | | 16.3 | Ī | | .4 | | 66.1 |
| 444 | 15.2 | 6.4 | 7.9 | | . 4 | 15.1 | | | 19.2 | | | T | | 55.1 |
| | 7.8 | 6.1 | 5.1 | | . 8 | 24.9 | | | 10.2 | | | 2.9 | | 55.5 |
| 41.4 | • 14 | | 1.3 | | 1 | 41.9 | | | 3.1 | | | 9 • 1 | | 49.8 |
| | 4.3 | 5.2 | 1.7 | | 1.7 | 54.3 | | | 10.3 | | | 5.2 | | 40.5 |
| ~ · · · | 6.5 | 4 • 3 | 2.2 | | . 7 | 40.6 | | | 11.6 | | | .7 | | 48.6 |
| /A = A H | | | | T | | | | | | | | | | |
| 7412 | 3.7 | ~ • 🔻 | >54 | $\Gamma <$ | $\geq \leq$ | > > ₹₹₹ | $\geq \leq$ | | $\supset otat$ | $\geq \leq$ | $\geq \leq$ | | $\geq \leq$ | > 44 |
| | ;12 13.0 | 124 | 179 | | 14 | | | | 366 | | | 36 | | 1267 |
| FT, -, - | 13.0 | 5.2 | 7.5 | | .6 | 23.8 | | | 15.3 | | | 1.5 | | 52.8 |

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

3

11.

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

| 6336 | STAP . AR | | JANUARY 1973-DECEMBER 1982 | MAY | |
|---------|-----------|-------------|----------------------------|--------|-------|
| _ T / M | Ar, Ar | | DANUATT 17/3-ULLEMBER 1702 | 77 M F | |
| | | | | | |
| * A * | | TATION NAME | - € A # 5 | WOMT # | #C.#5 |

| | | ng ku Ng ku | \$ 27.1 | FREEZING RAIN FREEZING CORIZZE | SLEET SHOWERS SE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-----|----------------|----------------|---------|---|------------------------------------|--------------------------------------|-----------------------|---------|-------------|---|---------------|-----------------|--------------------------------|---------------|
| | 12. | 7.3 | 17.6 | | <u> </u> | 10.1 | | | 24.4 | <u> </u> | | | | 57.1 |
| | 14.0 | 7.9 | 8.5 | | 1 | 3.0 | | | 25.0 | | | | | 57.0 |
| | 13.7 | 6 . Z | 15.1 | + | | 8.2 | | | 37.1 | | | | | 46.6 |
| | 23.7 | 12.2 | 12.2 | | • | 3.1 | | | 22.9 | | | | | 49.6 |
| • | 16. | 8 . 9 | 10.9 | , | + + | 7.9 | | | 20.3 | | | | | 54.5 |
| F : | 9.5 | 9.5 | 14.3 | Ī | * | 2.4 | | | 21.4 | † · · · · · · · · · · · · · · · · · · · | | | | 61.9 |
| | 25.5 | 5.5 | 23.6 | * | + | 5.5 | | | 36.4 | | | | | 41.8 |
| | 1 4 . 7 | 16.4 | 18.0 | i | • | 9.8 | | | ?6.2 | | | | | 42.6 |
| | 15.4 | 7.5 | 19.9 | 1 | 1.2 | 1.2 | | | 31.1 | | • 6 | | | 39.1 |
| ٠. | 22.5 | ი . 8 | 16.7 | ŧ · · - | 1.7 | 2.3 | | | 35.3 | | | | | 49.0 |
| | 13.2 | 16.6 | 12.7 | ļ · · · - · | • 5 | 2.0 | | | 24.4 | | | | | 49.3 |
| | 1 2 | 9.Ť | 10.9 | | • 4 | 6.5 | | | 23.2 | | | | | 53.4 |
| | 10.2 | 16.7 | 7.9 | i | .6 | 8.5 | | | 14.8 | | | | | 58.9 |
| *** | 1 . • 1 | 13.7 | 9.1 | | 8. | 18.5 | | | 19.5 | | | | | 50.8 |
| | 10.0 | 22.5 | 4.2 | į. | 1.7 | 22.5 | | | 15.0 | | | | | 47.5 |
| | 13.3 | 13.0 | 12.3 | | * | 11.5 | | | 23.2 | | | | | 49.7 |
| | | • | | • | | | | | | | | | | |
| | · á • 📆 | -7.8 | 10. | | | >2.6 | | | ≯€ € | $\geq \leq$ | | $\geq \leq$ | $\geq \leq$ | SHOW |
| | 174 | 292 | 508 | i. | 10 | | | | 544 | | 1 | | | 1306 |
| | 10.1 | 11.3 | 11.9 | , | . 4 | 7.5 | | | 21.9 | | • 0 | | | 52.7 |

TOTAL NUMBER OF OBSERVATIONS

NA ZEE ASEE TO W

| . 4 | ALAC, AK | | JANUARY 1973-DECEMBER 1982 | JUNE | |
|-----|----------|------------|----------------------------|-------|--------------|
| | | TATE NAME. | ·EARS | MONTH | HO.#5 L.S.T. |
| | | | | | |
| | | | | | |
| | | | | | |

| est to | • 4 | ************************************** | D#(22).5 | FREEZING RA'N FREEZING DO ZZLE | SLEET SHOWERS CE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING | BLOWING SAND AND DUST | NO WEATHER |
|-----------|--------|--|----------|---|------------------------------------|--------------------------------------|-----------------------|---------|-------------|--------------------------|---------------|-------------|--------------------------------|----------------|
| ٠. | 15.3 | 4.7 | 17. | | † · | . 4 | ~ | | 33.3 | | | | | 51.9 |
| . NE | 2.1 | 3.5 | 12. | 2 | 1 | | | | 33.7 | | . 6 | | | 49.4 |
| | ^6 • ° | 4.2 | 17. | 5 | + | | | | 33.1 | | | | | 47.2 |
| E | 2.1 | 4 . 6 | 13. | 7 | | | | | 32.1 | 1 | | | | 51.9 |
| - | ~0.S | ř . 9 | 15. | 2 | • | | | 1 | 27.7 | | .9 | | | 50.9 |
| -, -,55 | 23.I | • | 7. | 7 | • | | | | 33.3 | | | | | 56.4 |
| n. | 28.6 | 4.8 | 15. | 9 | | 1.6 | | | 30.2 | | | | | 50.8 |
| 31-E | 27.6 | 3.3 | 10. | 6 | • | | | | 20.5 | | | | | 58.5 |
| · · · · · | 23.3 | 5.9 | 13. | 7 | · | | | | 25.6 | | | | | 55.7 |
| | 1 . 1 | 4.1 | 23. | | 1 | | | | 35.4 | | | | | 46.6 |
| | ÷ • 9 | 11.2 | 25. | | * · • · · · · · · · · · · | | | | 73.6 | | | | | 45.2 |
| A W | 6.5 | 5.6 | 21. | 9 | | | | | 34.9 | | | | | 51.2 |
| | J • 4 | 5.7 | 15. | 6 | • | | | | 27.5 | | | | | 62.6 |
| | 7.7 | 15.4 | 15. | L | • | | | T T | 26.9 | | | | | 50.0 |
| *** | 11.1 | 11.1 | 16. | | | | | | 72.2 | | | | | 50.0 |
| NNA | 12.2 | 5.1 | 22. | W " | | | | | 30.6 | | | | | 49.0 |
| JABAS | | | | | | | | | | | | | | |
| | 2.5 | - 1. | 130 | | | $\geq \leq$ | $\geq <$ | | > | >< | | $\geq \leq$ | >> | > ₹₹ |
| *****A | 392 | | 41 | 4 | i | 2 | | | 742 | 1 | 2 | | | 1266 |
| | 15.7 | 5.8 | 17. | 3 | 1 | • 1 | | 1 | 30.9 | İ | • 1 | | | 52.8 |

TOTAL NUMBER OF OBSERVATIONS ______ 2,400

NAVWEASERVOOM

13.

| 25 7 4 | of Art, Ak | JANUARY 1973-DICEMPER 1982 | JULY | |
|--------|--|----------------------------|-------|-------|
| | the state of the s | | | |
| | TATE OF MARKET | - € 本機性 | MONTH | MC #5 |

| | | ************************************** | S⊅ng¢ | FREEZING PAIN FREEZING DRIZZE | SLEET I SHOWERS I CE I GRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|----------|-------|--|-------|--|--|--------------------------------------|-----------------------|------------|-------------|--------------------------|---------------|---|--------------------------------|---------------|
| | | • | 20. | ; | -† - · | • | | + | 56.3 | | † | † | | 76.0 |
| | 14.7 | • | 17. | pi . | • | · · | | ! | 47.4 | | † | † — — — — — — — — — — — — — — — — — — — | | 43.5 |
| •.* | 14.3 | 2.4 | 19. | | • | ··· | | † † | 47.6 | | T | † | | 46.3 |
| | 14 | 3.5 | 14. | <u>. </u> | • | | | † <u>-</u> | 16.2 | | <u> </u> | † | | £2.1 |
| | 19.3 | 4.3 | 12. | | • | | | † † | 35.7 | | † | † — — | | 53.6 |
| 5.3 F. | 13.4 | 3.3 | 17. | βĺ | • | | | | 31.3 | | 1 | | | 53.7 |
| · · | 71.7 | 1.4 | 13.0 | J. | | | | | 24.6 | | | | | 56.5 |
| 199 | 19.4 | 4 . 6 | 14.1 | B | • | | | 1 | 2C+4 | | | | | 56.5 |
| | 27.9Ĭ | 6.7 | 23.4 | k | - | | | | ₹3.2 | | | 1 | | 47.8 |
| 554 | 11.3 | 2.8 | 27. | 4 | | | | | 37.7 | | | | | 49.1 |
| 5 W | 9.1 | 5.5 | 24. | | | | | | 45.2 | | | | | 43.4 |
| NSW | J • 1 | 5.4 | 32. | 7 | | | | | 47.3 | | | 1 | | 41.2 |
| * | 17.d | 3 - 5 | 29.0 |) | | | | | 39.5 | | | | | 49.6 |
| A 1. W | 10.5 | , | 24. | | | | | | 51.7 | | | | | 44.5 |
| | 17.5 | | 17. | 2 | | | | | 48.3 | | Ī | | | 51.7 |
| NNW | 13 | Ī | 15. | 5 | | | | | 48.3 | | | | | 45 a C |
| 7AB,6825 | | | | · | | | | | | | | | | |
| . A . W | ે દ•઼ | - 104 | 310 | ∑ `~: 〔 | _>< | $\geq \leq$ | >< | $\geq <$ | > | $\geq \leq$ | $\geq <$ | $\supset <$ | \nearrow | 340 |
| TOTA | 221 | 3.3 | 50 | 1 | : | | | | 1030 | | | | | 1166 |
| | 16.7 | 3.3 | 23.0 | • | | | | 1 | 41.5 | | | | | 47. |

TOTAL NUMBER OF OBSERVATIONS

NAVW ASERVOOM

JANUARY 1973-DECEMBER 1982

AUGUST

| A ST | * · · · · · · · · · · · · · · · · · · · | # F # F # F # F # F # F # F # F # F # F | en III.s | FREEZING RAIN FREEZING DRIZZLE | SHOWERS CE TRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|---|---|---|----------|---|---------------------------|--------------------------------------|-----------------------|-----------|-------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| · • | 11.2 | 2.2 | ₹ე.; | | + - | <u> </u> | | | 58.1 | | .7 | <u> </u> | | 34.6 |
| NNE | 11.4 | . 9 | 16. | š | + | | | 1 | 51.4 | | .9 | | | 44.3 |
| S.F | 74 . 5 | 1.0 | 24. | 7 | * | | | 1 | 56.4 | | | | | 36.6 |
| F-54+ | 12.4 | 1.1 | 21. | Ĭ . | | | | 1 | 34.8 | | | | | 50.6 |
| | 71. i | 3 • đ | 27.0 | Ţ. | • | • | | | 39.0 | | | | | 44.0 |
| - 4.56 | 24 • Y | 6.8 | 20. | 5 | • | | | 1 1 | 47.7 | 1 | | | | 31.9 |
| = | 26.5 | 3 . 6 | 26. | \$ | • - | 1 | | | 77.3 | <u> </u> | | | | 43.4 |
| 5 S F | 77.3 | 3.8 | 34. | | • | - | | 1 | 47.7 | 1 | | | | 34.8 |
| | 25.4 | 3 • Q | 30.5 | si . | * | | | | 44.0 | 1 | | | | 39.5 |
| | 10.3 | 1.7 | 19.4 | | - | | | 1 | 75.6 | | | | | 57.1 |
| | 12.5 | 2.2 | 29.8 | 3 | | 1 | ~ | | 50.0 | ļ | 1.1 | | | 44.1 |
| 5 2 | 12.1 | 2.7 | 30.1 | | • | † | | | 51.7 | | | | | 39.0 |
| | 7.7 | 3.5 | 25.9 | | • | ! | | | 49.5 | | . 7 | | | 42.0 |
| * | 17.4 | 4.3 | 20. | | • | ! | | 1 | 41.3 | <u> </u> | | | | 43.5 |
| | 19.2 | * | 30.0 | | | | | | 34.6 | | | | | 50.0 |
| 4.54 | ~ ? .7 | | 37. | 5 | 1 | | | | 59.3 | | | | | 30.5 |
| 1023 | • | | | * | + | | | | | | | | | |
| · | 4.5 | - | 140 | | $\geq \leq$ | | > < | \bowtie | > 200 | > ₹€ | >> | $\geq \leq$ | $\geq \leq$ | 346 |
| · · · · | 391 | 59 | 664 | | ! | | | | 1171 | լ | 7 | | | 1054 |
| * | 15.3 | 2.4 | 26. | \$ | + | | | | 47.2 | •0 | • 3 | | | 42.5 |

TOTAL NUMBER OF OBSERVATIONS _

2,480

STATION NAME UANUARY 1973-DI CEMISER 1982 SERTEMBER

| 200 - | | #A THE RES | OR 2218 | FREEZING RA'N FREEZING DRIZZLE | SLEET SHOWERS CE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING | BLOWING SAND AND DUST | NO WEATHER |
|---|--------|----------------|---------|---|------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-------------|--------------------------------|----------------|
| | 12.0 | 5.4 | 10.0 | † | ·† - · · · · · · · | .4 | | | 16.1 | | | | | 71.8 |
| NAME OF | 13.9 | 3.6 | 19.7 | | † - · · · · | | | | 27.7 | 1 | | | | 44.7 |
| *.5 | 19.2 | • | 21.2 | | | | | | 34.3 | | 6.1 | | | 54.5 |
| | 13.0 | 6.5 | 10.9 | | | | | | 22.3 | | 4 . 3 | | | 57.9 |
| | | | 4.5 |). 1 | 1 | | | | 22.0 | | | | | 74.1 |
| | 17.1 | | 17.1 | | | | | | 24.4 | | | | | 69.5 |
| | :7.3 | 6.8 | 18.2 | | | | | | 20.5 | | | | | 5.3 |
| | 23.1 | 5.1 | 14.1 | Ĭ | | | | | 33.3 | | | | | 56.4 |
| | 76.9 | 5 • 1 5 • 0 | 19.0 | | | | | | 27.4 | | | | | 4 0 • ° |
| 5 - 74 | 15.7 | 8.3 | 18.5 | 1 | | | | | 30.6 | | | | | 54.6 |
| 1.4 | 5 • ta | 6 . 8 | 15.8 | | | | | ll | 26.6 | | • 5 | | | 59.0 |
| A 1 A | 9.7 | 6.4 | 16.4 | <u>,</u> | | | _ | | 77.1 | | | | | 50.5 |
| | 9.5 | 11.6 | 10.5 | | | | | 11 | 71.4 | [| | | | 60 . 5 |
| A *. 6 | 12.5 | 16.7 | 16.7 | | · | | | | 25.0 | | | | | 48.6 |
| Δ. | 13.1 | 9.5 | 14.3 | | 1.2 | | | | 14.3 | | | | | 63.1 |
| 1.5.4 | 3.3 | B.7 | 2.7 | , | <u>.</u> | ļ | | | 13.7 | | | | | 72.0 |
| . 45.A9. F | | | | | | | | | | | | | | |
| | | - 4.T | ~ \$ \$ | | $1 \ge \le$ | | $\geq \leq$ | | >**C | $\geq \leq$ | \sim | $\geq \leq$ | $\geq \leq$ | |
| i tata . | 307 | 155 | 326 | 4 | 1 | 1 | | | 589 | | 11 | | | 1479 |
| | 13. | 6.5 | 13.6 | Α | • 0 | • 0 | | | 74.5 | | • 5 | | | 61.6 |

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVOOM

13.

1.Az . AR

G.

JANUARY 1973-71 CEMBER 1982

COTOBE "

| WARD DIRECTOR | £ & % | RAN SHC ABS | | FREE NO | SLEET SHOWERS OF CRYSTALS | PELLETS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE | BLOWING | BLOWING SAND AND DUST | NO WEATHER |
|-------------------------------|--------|----------------|-------|----------|------------------------------------|-------------|-----------------------|-------------|-------------------|--------------------------|-------------|-------------|--------------------------------|---------------|
| , | 1:04 | 12.5 | 3.1 | 1 | <u> </u> | 4.5 | | .4 | 17.1 | | | | | 61. |
| t.n.E. | 21.1 | | | | 7 | 3.5 | | | 22.5 | L | L | | | 52. |
| `\F | 23.1 | 5. € | 9.5 | | <u> </u> | ٤٠. | | | 23.0 | | | | | 52. |
| _ E>E . | 72.7 | | 10.3 | | · | | | ļ | 22.4 | L | L | | | 52. |
| | 70 × 4 | 7.4 | 2.9 | H 4 | 1.2 | ļ - | | | 17.6 | | | | | 61. |
| ESE. | 1: 06 | 12.5 | 15.6 | <u> </u> | i + | ļ | | | 12.5 | | | | | 56. |
| , SE., | 72.4 | | 10.8 | | | <u> </u> | | | 72.4 | | | | | 43. |
| 35 E ., | 43.5 | 5 . 8 | 17.4 | | 1.4 | | | | 71.9 | L | | | | 42. |
| . 5 | 47.5 | 6.7 | 15.0 | | <u> </u> | 1.7 | | | 4 0 | L | | | | 3. |
| 1 4 A | 75.∙6 | | 7.9 |) | | L | | | 2: .7 | | 1.1 | | | 52. |
| * ** | 14.5 | | 11.3 | | . 4 | . 4 | | | 21.3 | | 2.2 | L | | 64. |
| _^^ | 7.0 | 6 • 6 | 1 1.3 | | | 2.6 | | | 16.9 | | 4 | | | 72. |
| 7. | 4 • 3 | 15.9 | 2.4 | | . 3 | | | | 9.8 | ļ | 3 | | | 72. |
| L ATA | · | | 6.3 | | 2.8 | | | | 11.1 | | | | l | 69. |
| | 7 . 4 | | 2.2 | | 1.5 | 10.3 | | | 1 | | | | | 69. |
| | • • | 19.9 | 5.1 | <u> </u> | <u> </u> | 7.4 | | | 13.7 | <u> </u> | | | | 63. |
| 74+ 49-1+ <u>1</u> | | | و | · | <u> </u> | | · | | | | | | | |
| A . M | }€_ | *• \$ | >5.3 | <u> </u> | \rightarrow | > 5 | $\geq \leq$ | $\geq \leq$ | $\geq \checkmark$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | 200 |
| | | 223 | 137 | • | 1.2 | я 1 | | | | ļ | | , | | |
| n: *31 6 n: *2+40 1 | 15.7 | 9.0 | 7.9 | Ţ | 12 | - 1 | | 1 1 | 442 | i | 3 | Ī | I | 15^ |

TOTAL NUMBER OF OBSERVATIONS

2,461

MAR HAVE ASERVOM

JANUARY 1973-DECEMBER 1982 NOVEMBER

| WIND DIREC ON | RA.N | RAIN SHOWERS | D 9122 15 | FREEZING PAIN FREEZING DRIZZLE | SLEET SHOWERS HOLE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|------------------|---------|------------------------|-------------------|---|--------------------------------------|--------------------------------------|-----------------------|---------|---------------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N | 9.3 | 9.9 | 7.5 | | * + | 20.5 | | 1 | 13.0 | | | 5.0 | | 55.3 |
| NNE | 14.3 | 6.8 | 5.6 | + ! | | 15.5 | | | 11.8 | | | .6 | | 52.1 |
| . € | 76.3 | 7.7 | 14.0 | | | 10.5 | | | 14.0 | | | | | 52.5 |
| ENE | 79.1 | 2.9 | 15.9 | | 2.9 | 11.6 | | | 31.9 | | | | | 40.6 |
| E | 26.7 | 13.3 | 5 • 3 | | 3 . 3 | 15.0 | | | 15.0 | | | L. | | 43.3 |
| ESE | 4.5 | 13.6 | 22.7 | - | | 18 • 2 | | | 50.0 | | | | | 18.2 |
| SE | 45.7 | 8.6 | 22.9 | | | 2.9 | | | 45.7 | | | | | 34.3 |
| SSE | [0.5] | 3.8 | 14.3 | | 1.0 | 8 • 6 | | | 32.4 | | | | | 35.2 |
| \$ | 3 € • € | 9.5 | 12.3 | | <u> </u> | 5.6 | | | 31.8 | | | | | 42.5 |
| <u> </u> | 15.2 | 9.7 | 8.3 | ļ | | 4.1 | | 1 | 18.6 | | | .7 | | 62.5 |
| 5^ | 1 5 . 2 | 6.3 | | | | 4 • 1 | | | 16.9 | | , A | | | 65.0 |
| ⊢ _^.^ + | 5.5 | 7.7 | 1.9 | 4 | · <u>• 3</u> | 11.7 | | . 3 | 7.4 | | • 3 | • 3 | | 73.0 |
| , | 3.7 | | 4 • 0 |)! • | | 1.1 | | | 7.4 | | | .7 | | 64.2 |
| <u>. **</u> . | | 10.7 | . 7 | | 1.4 | 24.3 | | | 1.4 | | | . 7 | | 68.6 |
| >-A | 2.7 | | . 9 |)· •• - | • 9 | 30.0 | | | 2.7 | | | 2.7 | | 55.5 |
| NNW | 9.3 | 6.8 | 5.1 | ·; | +- | 16.0 | | | 6.8 | | | 4.2 | | 65.3 |
| VARIABLE. | | آم و — —يما | ~~ ~ - | •• • | ندن | | | | | | | | | |
| CALM | | | -3.1 | - | +>< | >403 | $\geq \leq$ | | > 4 03 | $\geq \leq$ | | $\geq \leq$ | $\geq \leq$ | >20 |
| TOTAL | 3 5 | : 1 | | ¥ | 11 | 316 | | 1 | 334 | | 3 | 22 | | 1466 |
| 7 TOTAL | 14.8 | 7.7 | 5.6 | ት | • 5 | 13.2 | | •0 | 13.9 | | • 1 | . 9 | | 61.1 |

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

3

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13

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

257 4 ADA-, AK DANUARY 1973-DECEMBER 1982 DECEMBER

| WIN!! DIRECTION | | 22.12 1.54004ERS | DRIZZLE | FREEZING RAIN FREEZING D9:2215 | SLEET SHOWERS CF CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SATALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMORE HAZE | BLOWING | BLOWING SAND AND DUST | NO WEATHER |
|--------------------|---------|---------------------|---------|---|------------------------------------|--------------------------------------|------------------------|---------|------|--------------------------|---------------|-------------------|--------------------------------|---------------|
| N | 7.7 | 2.6 | 4.0 | 1 . | 1.3 | 32.5 | | | 11.9 | | | . 7 | | 51.0 |
| 7 NE | 12.7 | 1.9 | 9.5 | | T = T | 72.7 | | | 71.8 | | Ī | | | 45.9 |
| NE | 1 2 . 4 | 5.1 | 18.4 | | | 26.5 | | | 23.5 | | | 6.1 | | 30.8 |
| ENE | 36.7 | 8.8 | 21.9 | | | 15.0 | | | 30.6 | | | 1.4 | | 36.7 |
| E | 10.5 | 10.4 | 5.2 | | •6 | 26.6 | | | 13.0 | | <u> </u> | • 6 | | 47.4 |
| ESE. | 34.4 | | 12.5 | 1 | 3.1 | 23.4 | | L | 21.9 | | L | | | 11.3 |
| SE | 27.5 | | | | 5.7 | 20.0 | | | 30.0 | | L | 5.0 | | 37.5 |
| 55€ | 71.3 | | | | 1.2 | 20.5 | | | 24.1 | | | 2.4 | | 37.2 |
| <u></u> | 76.3 | | | | 1 • 8 | 15.2 | | ļ | 26.9 | | | | | 35.7 |
| 55W | 14.5 | + | | <u> </u> | 8. | 14.6 | | | 12.3 | | | ļ | | 66.9 |
| 5* | 12.0 | | | | + | 15.3 | | | 15.5 | | Ĺ | •5 | | 64.8 |
| WSW | * • • | · | 2 • 5 | + | <u> </u> | 20.0 | | | 7.5 | ļ | | 3.3 | | 46.7 |
| Lw , | . • • 1 | 4 - 1 | | 1 | | 40.0 | | | 4.5 | | | 5.5 | | 50.7 |
| WNW . | 1.4 | 2.1 | 1.4 | <u>.</u> | | 36.9 | | .7 | 1.4 | ļ | <u> </u> | 9.9 | | 56.7 |
| | 2 | 3.9 | 2.6 | | | 35.1 | | L | 5.2 | | | 3.9 | | 58.4 |
| NNW . | 3. | 4.4 | 3.5 |) | + | 78.1 | | | 6.2 | ļ | | 4.4 | | 52.2 |
| VARIABLE | <. 1272 | | | 1 | | < | | | | | L -> | Ļ | | |
| ALM + | - Ze | \sim | | 4.75 | | 1301 | ∠≥≤_ | | | $\geq \leq$ | $\geq \leq$ | \longrightarrow | $\geq \leq$ | 3405 |
| TO-4. | 3°, : | de | | + | 17 | 61 A | | 1 | 344 | | | 61 | | 1326 |
| 7 TOTA | 14.5 | 5.4 | 6.5 | | • 5 | _ י5 • ר | | . 3 | 13.7 | L | 1 | 2 • 5 | | 53.6 |

TOTAL NUMBER OF OBSERVATIONS

2,476

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

257 4 1/AK, AK JANJAFY 1973-DECEMPED 1982 FELL

| WIND DIRECTION | P A *, | , PAN SHOWERS | (-P-27) E | FREEZING PAIN FREEZING DRIZZE | SLEET SHOWERS CE ORYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|-------------------|---------|-------------------|----------------|---|---|-----------------------------|-----------------------|--|--------------|--|---------------|-----------------|--------------------------------|---------------|
| | | 4.5 | 15.3 | <u> </u> | • 2 | 17.2 | | • 1 | 21.6 | | • 1 | 2.0 | | 53.3 |
| NNE | 17.3 | 3.7 | 4.5 | | • 1 | 18.8 | | | 7,.9 | | • 1 | 2.3 | | 51.7 |
| NE "T | ? ∈ • 9 | 3.6 | 12.7 | ਜ਼ਾ = : - | • 2 | 15.7 | | | ?6.3 | | • 5 | 4.2 | | 46.6 |
| ENE | 23.6 | | 12.6 | | . 4 | 15.2 | | | 24.4 | 1 | • 3 | 2.9 | | 44.9 |
| Ε . | 71.0 | • · · · - · - · • | 9.5 |) | | 19.1 | | | 20.7 | L | • 1 | 2.3 | | 47.0 |
| ESE | 75.1 | | 13.0 | | 3 | | | | 2t • 2 | <u>.</u> | | 1.2 | | 46.7 |
| S.E. | 70.0 | | 17.1 | + | • 3 | 9 • 4 | | ļ | 30.5 | | | • 5 | | 43.0 |
| SSE | . 11.2 | • • | 16.2 | į | . 7 | 9.1 | | •2 | 28.9 | 1 | | • 3 | | 44.2 |
| <u>s</u> | ?7.5 | 6.6 | 15.9 | | • 6 | | | ļ | 30.0 | <u> </u> | .0 | . 4 | | 44.5 |
| <u>\$\$</u> ₩ | 1 .6 | 6.7 | 13.5 | | • 2 | 7.5 | | | 24.2 | | • 1 | .3 | | 55.9 |
| | 10.5 | 6 · 8 · 5 · 3 | 13.9 | | | 8.2 | | • 3 | 25.0 25.1 | | • 4 | - • • | | 57.0 |
| <u></u> | - ? | | 10.3 | | • 1 | 14.7 | | • • | 17.9 | ļ | • 1 | 1.7 | | 57.2 |
| | 5.3 | 7.5 | 5.5 | | • | 24.3 | | | 10.6 | | • 1 | 3.8 | | 56.4 |
| _ | 6.6 | 7.9 | 4.4 | | 1.1 | 26.8 | | | 10.4 | | | 2.0 | | 55.5 |
| NN# | 3.9 | | 7.6 | • | · 2 | 21.0 | | | 15.2 | | | 2.0 | | 55.3 |
| VAR'AB, E | | | - | • • | + = =- | | | † – – † | | <u> </u> | | | _ | |
| CALM | >4 6 4 | -1.6 | _ - 645 | **. ********************************** | | >42 | $\geq \leq$ | | > | > ₹ | \searrow | >< | > < | > |
| TOTAL | u 75 | 1647 | 3351 | 1 | 95 | 3868 | | 7 | 6369 | 3 | 34 | 438 | | 1579.1 |
| S TOTAL | 10.0 | 5 • 6 | 11.5 | •0 | • 3 | 13.2 | | • 0 | 21.8 | •0 | • 1 | 1.5 | | 54.1 |

TOTAL NUMBER OF OBSERVATIONS 29,208

A here by A. L. S. Building.

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION
UNOWFALL*

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the <u>percentage frequency of various daily amounts</u>, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and showfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the show depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U.S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945

Jan 46-May 57

Jun 57-present

Snow depth at 1230 GCT

Snow depth at 1230 GCT

Snow depth at 1200 GCT

Snow depth at 1230 GCT

Bureau Stations

Jul 52-May 57

Jun 57-present

Snow depth at 1230 GCT

Snow depth at 1230 GCT

Snow depth at 1230 GCT

 \star Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

STATION STATION NAME YEARS

| | | | | | | AM | OUÑTS (II | NCHES) | | | _ | | | PERCENT | | MON | THLY AMO | DUNTS |
|---------------|-------|-------|---------|---------|---------|--------|-----------|---------|-----------|-------------|---------------------------------------|-------------|------------|-----------------|-----------|--------------|---|-------|
| PRECIP | NONE | TRACE | 01 | 02-05 | 0610 | 11- 25 | 26 50 | 51.1 00 | 1 01 2 50 | 2 51 - 5 00 | 5 01-10 OC | 10 01 20 00 | OVER 20 00 | | NO | | (INCHES | |
| SNOWFALL | NONE | TRACE | 0.1-0 4 | 0.5-1.4 | 1.5-2.4 | 2534 | 3 5 4 4 | 4 5-6 4 | 6 5-10 4 | 10 5-15 4 | 15 5 25 4 | 25 5-50 4 | OVER 50 4 | MEASUR- ABLE | OF OBS | MEAN | GREATEST | LEAST |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7.12 | 13-24 | 25-36 | 37 - 48 | 49-60 | 61 120 | OVER 120 | AMTS | | | | |
| JAN | • | 1 . | • | 16.4 | 13.5 | 11. | 13.1 | ₹. 4 | | • 4 | | | | 77.5 | 71.2 | t • 1 1 | t •• " . | • I : |
| FEB | • | 1/. | ٠.5 | 17.7 | 17. | 19.5 | 12.1 | 6.7 | 7. | | | | | 77. | q | 4.75 | • • | 1. |
| MAR | • 1 | 14. | 47 | 1 - • • | 13.4 | 10.6 | 17.3 | £ • 7 | ٠. د | • 1 | · · · · · · · · · · · · · · · · · · · | • | | | 1 23 | c | <u>:</u> | |
| APR | • | • . | . • " | 11.5 | 17.5 | 10.2 | ٠ | | 1.5 | • : | | • | • | 77. | 9 G | 4. 50 | 1 •17 | 1. |
| MAY | • | 12. | • ? | 1 | 1 . 4 | 14. | 1.1 | 7.7 | 1. | • 5 | | | • | , | 1 7: | " • 1 ° | 36.10 | • • • |
| JUN | . 1 • | 3. •1 | : • · | 15.1 | · • 1 | !1.1 | ٠.` | 5 • 1 | 1.7 | • 1 | · | | | 7.1 | , ^ | 1.1 | • • • | • |
| JUL | | ~ | 7.7 | 1.1.4 | • : | 11.0 | ٠,٦ | 3.4 | 1 . ! | | | •—— | | 1 | 1 27 | • | • 1 | • |
| AUG | • 7 | • | ٠,٦ | 1 7 | ٠. | 12.3 | ۳.٦ | : • · | 2. | | | | | • | 1.22 | 4.15 | • • | • • |
| SEP | • : | 1 | ٠,٦ | 16.4 | 11.6 | 15.6 | ٠., | 7.1 | 3. | • 4 | | | *- ~ | £ *·• | ٠; | • 14 | 11.7 | • ′ |
| ост | • | 1 • 3 | ti 📲 🤻 | 16.8 | 14. | ាពទ | 17.3 | ٦.5 | ₹• - | • . | | | • | :1. | 1 03 | • 1 | 17.05 | • |
| NOV | • | • | ۲. | 14.8 | 12.0 | 32.4 | 14. | 10.5 | 5.6 | .4 | | | | `7.' | 943 | .1. | 11. | |
| DEC | | 1 . • | 4.3 | 15.0 | 13.9 | 73.9 | 12.7 | 8.5 | 4.5 | •: | | | | · • | 123 | 1.33 | 17. | |
| ANNUAL | • | 7 | f • , | 16.8 | 17.1 | 17.2 | 10.7 | F 4 | 2.1 | • ? | | | | 70.1 | 11264 | .3. 1 | $\mathcal{I}_{\mathcal{I}_{\mathcal{I}_{\mathcal{I}_{\mathcal{I}}}}}$ | • • |

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

STATION STATION NAME YEARS

| | | | | | | AM | OUÑTS (II | NCHES] | | | | | | PERCENT | | MON | THLY AMO | DUNTS |
|---------------|------|-------|-------|--------------|---------|-------|-----------|---------|----------------|---------|------------|------------|------------|---------|-----------|-------|------------|-------|
| PRECIP | NONE | TRACE | 01 | 02 05 | 06-10 | 11 25 | 26 50 | 51 1 OC | 1 01 2 50 | 25 5 cc | 5 01 10 00 | C 01 20 00 | OVER 20 00 | OF DAYS | TOTAL | | INCHES | |
| SNOWFALL | NONE | TRACE | 0104 | 0.5-1.4 | 1 5-2 4 | 2534 | 3 5 4 4 | 4504 | •: 3: 1: | 10.5.54 | .5 5 25 4 | 25 5-50 4 | OVER 50 4 | MEASUR: | OF OBS | | GREATES" | .£A5" |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4.6 | 7 12 | 13 74 | 25 36 | 37 48 | 49.60 | 61 120 | OVER :20 | AMTS | | | | |
| JAN | • ` | * • 1 | 1 • 4 | 1000 | • • | ₹•** | • | • | • | • : | | | | ٠. | ٥, | | | • |
| FEB | • | · · • | | -1.7 | 7.7 | 3.4 | 1. | 1.4 | • | | • — | | • | · - · | , : | · · · | 1. | |
| MAR | • | • | • 7 | 10.2 | *** | | 7.0 | 1.7 | • | | • : | | | | 1 27 | | • | |
| APR | • | | : "• | 11 | ·.`. | • - | • | • | • • | • 1 | • | | | 7 , , , | 47 | . , | 1. | |
| MAY | • | i = | 6. | 4.4 | • ", | • • | | • . | | | | • | | • | 1.7 | • 1 | • | • |
| JUN | • | 1. | | | | | | | | | | | | | | | · <u>'</u> | • |
| JUL | | | • | - | | | | | | | | | | | : • | • | | , |
| AUG | | • | | | | | | | | | - | * | | | _::::: | - | | |
| SEP | • | • | | • 1 | • : | | | | | | | •- · | • | • | ٠, ٠ | • 1 | • | • |
| ост | | : . | • ; | · | • | • | • ; | | —- <u>-</u> -— | | | | | • | : | • • | • • | |
| NOV . | • | • | 1 | 1 .2 | ÷ • u | • ` | 1. | 1. | • , | | - | • | <u>+-</u> | 7 • 7 | : | 1 • | . , . | • |
| DEC | • | • | 1 | 1.6 | 7 • 7 | ? • 7 | 1 . ' | : • 1 | • | | | • | • | 4 . , | 1:7 | •1 | | • |
| ANNUAL | | | `• ; | . 4 | 7.4 | 1.7 | • | • | • | • | • | | * | 2.4 | 115/4 | . 7 | * | |

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

STATION STATION NAME YEARS

| | | | | | | AM | OUNTS (II | NCHES) | | | | | | _ PERCENT | | MON | HTHLY AMO | DUNTS |
|---------------|------|-------|-------|---------|----------|----------|------------|---------|-----------|-----------|------------|---|----------------|--------------|-------------|----------|------------|--------|
| PRECIP | NONE | TRACE | 01 | .02- 05 | 06-10 | .11 - 25 | 26 - 50 | 51.1 00 | 1 01-2.50 | 2 51-5 00 | 5.01-10.00 | 10 01-20 00 | O O V ER 20 00 | OF DAYS | NO | | (INCHES) | _ |
| SNOWFALL | NONE | TRACE | 01:04 | 0 5-1 4 | 1.5-2.4 | 2534 | 3 5 4 4 | 4 5-6 4 | 6 5-10 4 | 10 5-15 4 | 15 5-25 4 | 25 5-50 4 | OVER 50 4 | MEASUR- | OF OBS | MEAN | GREATEST | LEAST |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4.6 | 7.12 | 13.24 | 25-36 | 37 - 48 | 49-60 | 61.120 | OVER 120 | AMTS | | - | - | |
| JAN | • • | • | 11. | • • 5 | 7. | 1. | | . • 5 | | | | | | | e : 1 | | | |
| FEB | • | • 3 | 11. | 1.5 | • " | 1. | 7 . 6. | . 7 | • 1 | | | | - | 1.1 | ₹. | | | •—- |
| MAR | • | ~· • | 7. | 7.5 | • " | 7 | 1 • ' | 1 | • - | | | | • | : 7.4 | 1 23 | | | • |
| APR | • | | : . : | 1.7 | • | • 7 | | | | | · | - | | * . * | 96. | | - | • |
| MAY | • | | | | | | | | | • | | <u> </u> | | • | 1527 | | | |
| NUL | • 1 | | | | | | | | | | | • | • - = - | - | ي . | | | • |
| וחו | • | | | | | | | | | | , | • | | | 1:23 | | | |
| AUG . | • | | | | - | | - | | | | | • | | | <u>.</u> | | | - |
| SEP | • | | | | · | | | | | | • | | | • / | | | • | |
| ост | • | • | • | • 1 | | | | | | . | | • | * | • | 1023 | | | + |
| NOV | • | 7 .7 | 7.4 | 7.8 | 7.1. | 3.4 | • | | | | | • | | 17.7 | 7 ~ | | . | - |
| DEC | • ' | 1.1 | 1.1.5 | . 3 | • 7 | 10.5 | <i>t</i> . | . 3 | | | | • | | 42.6 | • | | | |
| ANNUAL | | 11.4 | 4. | . 4 | Ž•¹, | 3.7 | • | ./ | • | | | | | 17. | 11721 | <u> </u> | \searrow | \sim |

II

EXTREME VALUES

POST CIPTART & FROM DAILY OBSERVATIONS

STATION NAME

24 HOGE AMOUNTS TO INCHES

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL | AUG | SEP | ост | NOV | DEC | ALL MONTHS |
|------------|-------------|-------|--------------|-------|-------|-------|-------|-------|------|-------|----------|---------|---------------|
| YEAR | | • 4.8 | • F : | - 50 | .7 | . 74 | • 4 1 | 2.33 | 3.55 | 1.27 | | 2.21 | |
| · H | .0: | 1.10 | 1.14 | 1.54 | 2.5 | 37 | 1.85 | . 77 | 1.77 | 1.47 | 1.50 | 2.32 | 7.10 |
| | 3.15 .50 | 1.27 | 1.70 | 46 | 1.57 | 1.95 | 1.25 | .55 | 1.71 | 2.13 | : . 5 = | .8 | 1.0 |
| 2 | 3.55 | 1.02 | 2.40 | 1.45 | 1.24 | 1.39 | .30 | 2.00 | 2.67 | 7.5. | 2. (| .67 | 7.00 |
| | 7 7 7 7 | 1 1 | 3.20 | 1.02 | 4.35 | 1.34 | 1.01 | . +6 | . 47 | 1.62 | ₹. € | 1.45 | 4,55 |
| 5 | - 1 | 1.05 | 23 | 1.54 | 1.24 | 1.00 | 1.31 | . 31 | .95 | 3.36 | 2.24 | 4.5 | 4 |
| | 0.7 | 1.62 | 1.53 | 1.44 | 1.27 | 1.20 | .30 | 2.44 | 2.82 | .73 | 1.73 | 2.0 | |
| ., | | 20 | 1.04 | 3.19 | 2.06 | 2.52 | .22 | • : c | 1.41 | 1.39 | • 5 A | 1.27 | |
| | 1.34 | • | 1.67 | . 98 | 1.14 | • 5.7 | 1.02 | .41 | 2.37 | 1.94 | 2.45 | 2.77 | 2.4. |
| | 54 | 2.75 | 1.46 | 1.17 | 1.12 | 1.81 | .86 | 19 | 1.92 | 1.20 | • • • | .7+ | 2.25 |
| + | 1.07 | .77 | 1.03 | - 27 | • é l | .03 | 1.92 | -54 | .47 | •60 | • 34 | 1.12 | 1.00 |
| , 1 | 1.1 | 1 | 4 3 | .68 | .36 | 1.44 | 1.0 | . 4 1 | •6 ° | 1.15 | 1.37 | •7* | 1.4 |
| <u> </u> | 5.35 | 1.13 | 2.05 | • 43 | .40 | .67 | .42 | .75 | -73 | 1.71 | .74 | 2.24 | 2. |
| | 1 | 54 | 1 | 49 | .83 | 1.24 | •38 | • ₹ 2 | .97 | • 7 9 | 1 • 7 | 4.77 | 4.1 |
| | .4.5 | 5.0 | 7 7 | 1.06 | • 3 つ | 1.41 | .39 | . 73 | 2.20 | 1.13 | 1.40 | 1.74 | |
| 5 | | 90 | . 6 1 | 4.76 | .82 | • 5.8 | 1.02 | •5≘ | .77 | 1.65 | 1 • 0.5] | 1.00 | 4.74 |
| - 6 | 5,1 | 1.42 | 1.79 | .76 | 1.72 | •51 | • 4 ? | 1.77 | 1.47 | • 5.5 | 2.54 | • 9 t | 7.5 |
| 4.7 | 1.07 | 6 | 1.34 | .69 | • 25 | . 44 | 1.30 | 2.20 | 1.47 | 1.70 | 2.56 | 2.57 | 2.1 |
| | 1.51 | 1.06 | 450 | 1.7 | .42 | • # 6 | -50 | • 4 5 | 1.07 | 1.5 | 4.7 | 7,44 | 2 . 1. |
| 1 | 1.2 | 74 | 4 7 | 1.17 | 1.33 | . 44 | .26 | 1. " | 1.91 | • 52 | - 51 | 1.77 | 1. |
| | • | . 57 | .65 | 1.72 | • 5 4 | • 43 | • 5 7 | •12 | .6. | . 7". | 1 • 63 | 1.41 | 1.4 |
| 71 | ្វ | | 1.74 | 1.21 | • 5 5 | 1.23 | .65 | • : 1 | 2.75 | 2.65 | 1.04 | 2.5 | 2.7 |
| | .93 | • 7 | . 5.4 | -05 | • 72 | • 60 | •39 | 1.10 | 1.34 | 2.05 | 1.54 | 1.37 | 2. |
| 73 | | 1.17 | 1.71 | . 7 1 | .27 | • 51 | .55 | 1.14 | 1.30 | 1.47 | 000 | 1.6 | 2. |
| 7. | , হ ব | • ' 5 | .54 | . 81 | 1.23 | • 32 | 1.40 | 1.77 | 1.77 | .75 | 1.92 | . 7 ? | 1.7 |
| • • • | .10 | | 1.35 | 1.57 | -65 | . 34 | 1.02 | 1.46 | •92 | 1.14 | 1 • 6 1 | 1 • 2 7 | 1. |
| | 1.14 | .47 | • 7 3 | .42 | -66 | €6.2 | -65 | - 7.0 | 1.55 | 1.27 | . 27 | 1. | !• |
| 77 | 44 | 4.2 | 1 | .57 | 1.81 | • 51 | . 4 5 | | . 54 | 1.49 | • 2.3 | 1.57 | 1.0 |
| | • 5 | . 25 | · 5 - | • 2 2 | .67 | •+3 | • 30 | | 1.37 | • 92 | 2.15 | 1.00 | 2.1 |
| 7 | 9.3 | | • | . 33 | 1.30 | .62 | .53 | 1.70 | 1.61 | 1.5 | .73 | .70 | 1.7 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS. | | | | 1 | | 1 | | 1 | | | | | 1 |

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

POST TERETT N

FROM DAILY OBSTRVATIONS

STATION

3 , tr , 3 x

STATION NAME

2 - 3 ·

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | ост. | NOV. | DEC | ALL MONTHS |
|------------------|--------|------|--------------|------|------------|-------------|------------|------|------------|--------------|------|-------|--------------------|
| 1 | 1.) 5 | 0 | •87 •54 | 1.21 | •36 •27 | •69 •61 | •68 •4# | 1.07 | 1.17 | . 25 . 77 | | 10-7 | 1.1 |
| ? | 1.91 | 1.77 | 1.53 | • 50 | •5 | 1.17 | 2.37 | • 57 | 1.5 | 1.14 | 1027 | • 6 2 | 7.37 |
| | | | | | | | 1 | | | | | | |
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| | | | | | | | | | | | | | |
| MEAN | 1.2 | 1.37 | 1.14 | 1.11 | 1.01 | • 73 | . 33 | 1.03 | 1.57 | 1.34 | 1.49 | 1.50 | 2.73 |
| S D TOTAL OBS | : o | 3 4 | .625 1(25 | 995 | 1023 | 990 | 1023 | 1023 | 743 090 | 1023 | 980 | 1023 | • २०२ 11 प्रस्य |

EXTREME VALUES

MCITATION

IFROM DAILY OBSERVATIONS

STATION

4724, 8K

13.

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES
/PACED ON LESS THAN FULL MUNTHS/

F 7-87

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | ост. | NOV. | DEC | ALL MONTHS |
|--------------------|------|------------|------|------|-----|------|------|------|------|------|------|-----|---------------|
| | | | | | | | | | | | 1.5 | | P- 5 6 4 P |
| • | | • 33 15 | | | | | | | | | | | D: YS |
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| 11.0 | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| MEAN | | | _ | | | | | | | | | | |
| S D. TOTAL OBS. | | | | | | | | | ļ | | | | |

EXTREME VALUES

SNO SALL

FROM DAILY OBSERVATIONS

STATION

A L. AK

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL | AUG. | SEP. | ост. | NOV. | DEC | ALL MONTHS |
|---------------|--------|-------|-------|-------|-------|-------|----------|----------|------|------|-------|--------------|---------------|
| 7 (1 | 2.2 | 7.7 | 1.5 | 2.0 | 1.5 | • • • | | •3 | | • 11 | | . | |
| 1 | 5. | 2.3 | 1.5 | 1.6 | • 1 | • 7 | • 5 | • 7 | • • | • 3 | . 4 | 2.1 | 5.7 |
| $\frac{1}{2}$ | 1.0 | 5.0 | 17.0 | 2.0 | • - | • 0 | • 3 | • 3 | • | • 7 | 7.5 | 7. | 1.0 |
| ڌ٢ | 7.3 | 6.1 | 0.5 | 2 • 2 | 1.0 | • 🗆 | • 7 | • 0 | • ^ | • 1 | 1 • 3 | 4. | ე • |
| - 4 | 4.5 | د• ن | 7.5 | • 3 | • 5 | •≎ | | • 5 | • ** | • 4 | 5.4 | 5.7 | 7. |
| - 5 | 4 . 5 | 4.5 | 4.7 | 5.0 | 4.5 | • 0 | • ^ | • 2 | . 0 | 1.5 | 1.1 | 2.3 | 5.0 |
| Ε., | 1 • 5 | 7.4 | 6.3 | 7.7 | - 5 | •3 | • 0 | • 0 | • 17 | 7.7 | 3.0 | 7.0 | 7.7 |
| -7 | 1. | 7 | 3.4 | 15.4 | • 1 | . 0 | • 1 | • : | • 6 | • 0 | 2.1 | 6.2 | 15.4 |
| 5. | 10.4 | 7.1 | 1.7 | 4.4 | • 4 | • 7 | • 1 | • 7 | • 7 | 1.5 | 1.7 | 5 • 5 | 3 · • * |
| -, y | 3.5 | 1.8 | 3.7 | 1.4 | • * | • 0 | • 0 | • " | • 7 | 1.0 | 2.5 | 5 • 2 | ^ • l |
| , | 2.3 | 7.7 | 7.1 | 2.4 | 1.6 | • 7 | • 0 | • 7 | • . | 1.3 | 2.9 | 3.0 | 7.1 |
| <u> </u> | 4 . 1 | 7.5 | 3.3 | . 7 | • 7 | • 0 | • ^ | • 0 | • 7 | • 1 | 7.7 | € • . | 5.2 |
| ? | 4 | 7.4 | - 3 | 1.8 | 1.7 | • 0 | • (| • 7 | 1.2 | | 4.8 | 5.0 | 5.6 |
| | 1.5 | 2.7 | · 1 | 2.0 | 1 • 1 | • C | • 5 | • 7 | | 1.5 | 1.7 | 7.5 | 1.1 |
| 4 | 3 • 7 | - 3 | 4.3 | 4.4 | 1.1 | • 2 | • 0 | • 2 | • ₽ | 3.0 | 5.8 | ₹• | 5.5 |
| | 2.7 | 4 . 2 | 3.1 | 2.4 | 1.4 | • ^ | • ೧ | • ⊃ | • 7 | • 0 | 5 • ≈ | 2.3 | * • A |
| 1.8 | | 4 . 3 | 7. 7 | 2.2 | 1.3 | • ີ | • | | • 7 | 1.3 | • 1 | | 7.6 |
| e 7 | 7.6 | 3.7 | 3.5 | 2 • ℃ | • 7 | • 5 | • 5 | • ^ | • ີ | • 5 | 7.1 | 5.4 | r • 1 |
| 4 | 2.7 | ₹ • 3 | 4.7 | 2.5 | 1.: | • • | • 1 | • [3] | •0 | 7.07 | 4.7 | 4.4 | 4 . 4 |
| 2.2 | | 6.5 | 4.0 | 4.4 | 3.3 | • 1 | • ^ | • ; | • | • 2 | 4.7 | 10.1 | 1 * • 1 |
| 3.0 | 5 • 1 | ₹.0 | 3.4 | 3.7 | • ~ | •0 | • | • 3 | • | • 1 | • 4 | ₹.8 | : • 1 |
| - 1 | 0 • 3 | 1.7 | 3.1 | 2.9 | 1.0 | • 3 | | ر. • | • | • 3 | 1.5 | • | |
| *2 | 4.1 | 7 | 3.7 | • 6 | • 2 | 0 | | • 0 | • 1 | • ^ | 1.7 | ٠.5 | 7.4 |
| 2.3 | 3.0 | • • | 7.4 | 1.7 | • 7 | ٦. | • 0 | • 3 | • 0 | | . 7 | 3.7 | 5.5 |
| , , | 4.4 | F • 1 | 7. | 3.6 | • 7 | • 3 | • 3 | ٠, | • ≎ | 1.7 | 2.8 | 7. | • 1 |
| <u>.</u> ř | 4 • 4 | ₹.1 | 7.6 | 1.1 | 2. ♀ | • 1 | • : | •) | • | . 7 | 7.7 | 4.7 | |
| *5 | 4 • 1 | 2.07 | 4.4 | 2 • 3 | • 1 | • " | • 0 | • 7 | • | • | 74 | 7.0 | 4.7 |
| 7.7 | 2.5 | 7.7 | 5 • 4 | 2.4 | • 13 | | • 3 | •0 | • 0 | 2.9 | 7.1 | 7.0 | 3.43 |
| 7 /: | r • tt | 6.0 | 1.7 | 1.7 | 1.0 | •] | • 0 | • 5 | • 7 | 1.6 | 3.6 | 5. | 7.9 |
| 7.9 | 5.1 | 7.6 | 4.7 | 2.3 | • 6 | ٠٠ | <u> </u> | <u> </u> | • ^ | • 3 | 5.3 | 3.3 | 3.3 |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | |] | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

EXTREME VALUES

SNO FALL

FROM DAILY OBSERVATIONS

STATION

AT by . AK

STATION NAME

YEARS

24HOUR ARDUNTS IN INCHES

| ALL MONTHS | DEC. | NOV. | ост. | SEP. | AUG. | JUL. | JUN. | MAY | APR. | MAR. | FEB. | JAN. | MONTH |
|--|-----------------------|-------|-----------|------|---------------|---------------------|-------------------------|-----------------------|----------------------|--------------------------------|-----------------------|---------------|-------|
| 5.6 | 7.0 | | •0 1•7 | | •0 | • n | .n. | 1.7 2.4 | 3.5 | 6 • 6 4 • 0 | 5.1 | 4. | .1 |
| 7.5 | E. ~ | • 2 | 1.5 | • . | ٦. | • ^ | • 1 | • E | • 3 | 4.4 | 1 • 4 | 4 • | + 2 |
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| 7.75 | 4.72 | 3.15 | • 27 | | • 10 | • 98 | • 00 | 1.78 | 2.96 | 4.73 | 4.10 | 3.96 | MEAN |
| 2.8F7 11954 | | | | | | | • 200 | 1. 57 | 7.768 | 2.004 | 7.754 | 133 | S D |
| | 4.79 2.176 1023 | 1.921 | | •D5 | .100 .102X | .00 .100 1723 | • 00 • 000 • 2• 0 | 1.72 1.757 1723 | 2.96 2.768 997 | 4 • 7 3 2 • 9 7 4 1 (2 3 | 4.10 7.054 7.14 | 3.96 7.133 | |

1 × 4

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SMC FALL

FROM DAILY OBSERVATIONS

STATION

ACAR, AK

Œ.

STATION NAME

20-2

YEARS

24 HOUR AMOUNTS IN INCHES ABASED ON LESS THAN FULL MONTHSA

| MONTH | JAN, | FEB. | MAR. | APR. | MAY | JUN. | JUŁ. | AUG. | SEP. | ост. | NOV. | DEC. | ALL MONTHS |
|------------|------|-----------|------|------|-----|------|------|---------|----------|------|------|---------------------------------------|-----------------|
| 0.0 | | | | | | | | | | | 1.6 | | SMOFALL OAYS |
| : 1 | | 2.5 16 | | | | | | | | | | | DAYS |
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| TOTAL OBS. | | | L | | l | | | | L | | l l | | 1 |

EXTREME VALUES

SNO. TEPTH

STATION

AT AY AM

G.

STATION NAME

20-25

YEARS

DATEY SNOW DEPTH IN INCHES

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP | ост. | NOV. | DEC | ALL MONTHS |
|-----------|--------------|------|----------|-------------|---------------|----------|----------------|---------|--------------|--|------|-----|---------------|
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| - 5 | 1 ~ | | 4 | 1 | | | | 3 | | | ,,, | , | • |
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| 5,7 | 1 | * | | | | | 5 | | | 5 | | • | |
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| 1.5 | | | 7 | 1 | | | 7 | | 5 | 0 | 5 | | |
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| 3 | - '- | - 1 | 1 | _ | [_, | Č. | G | 1 | | I . | 1 | , | |
| 4 | | ء خ | 30 | 7 | | <u></u> | - i | | | | | | <u> </u> |
| .5 | 6 | 6 | ۱, | ì | | | 9 | ő | | 1 | 3 | f | i |
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| 6.9 | | 4 | 4 | | | <u></u> | - 5 | | | 7 | - 5 | | 5 |
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| 74 | 1 | 11 | 2 | 1 | n | 0 | c | ١. | | ! ' | 1 | 1.0 | 1.6 |
| 75 | 1 3 | 3 | 6 | 4 | 3 | Ü | C | S | l . | 1 | 3 | 4 | 1.5 |
| 76 | ć | Ą | 10 | 5 | 2 | | | 0 | | | 3 | 11 | 11 |
| 77 | 7 | 17 | 17 | 4 | ר | <u></u> | C. | ** | 1 | | | ن ا | 17 |
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| TOTAL OBS | | | | | 11 | | | | <u> </u> | L | | li | |

EXTREME VALUES

CNO DEFT

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

CATEN SHOW GERTH IN THERES

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN | JUL. | AUG. | SEP | ост. | NOV. | DEC | ALL MONTHS |
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| S D | 7.273 | 4 1 14 | 7.6532 | 1.324 | • 500 | • 696 | • 100 | • 700 | • 000 | • 415 | 2.702 | 3.102 | 5.71 |
| TOTAL OBS | 7 15 1 | = 7 c | 1-23 | . a | 1 2 3 | 0.45 | 1723 | 032 | 767 | 1023 | 634 | 63. | 1172 |

EXTREME VALUES

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FROM DAILY OBSERVATIONS

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13.

STATION NAME

5. = 37

YEARS

MATLY SNOW DEPTH IN INCHES ZRASED ON LESS THAT FULL MONTHS?

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN, | JUL. | AUG. | SEP. | ост. | NOV. | DEC | ALL MONTHS |
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| | | | | | | | | *. | | | 2.3 | | 5742 |
| . 5 | 10 34 | | | | | | | | | | | 7 | SNO SPTE |
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| MEAN | | | | | | | | | | | | | <u> </u> |
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| TOTAL OBS. | | | | | | | | | | | | | |

DAILY EXTREME AMOUNTS

| 7 . | | 1 1 -1 9 1 82-18 1 |
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| | | |
| STATION | STATION NAME | YEARS |

| | | | MON | ITH | | | |
|---------|--------|-----------------------|----------|----------------------|-----|--------|--|
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| | | CIPITATIO SREATEST |)N | SNOWFALL GREATEST | | | |
| DAY | INCHES | MM | DATE | INCHES | MM: | DATE | |
| 1 | • 1 | - 1 | 10.4 | 1 | 259 | 1 95 3 | |
| ? | • 7 ? | ° 1 | 1007 | 4.0 | 117 | 1775 | |
| 3 | 7. | 7.1 | 1 70 7 4 | 2.7 | 63 | 1755 | |
| 4 | 1.14 | 7.7 | 1976 | 4 . | 102 | 1:55 | |
| 5 | .~ | ? 3 | 1 ~ < 5 | 3.6 | 147 | 1 67 | |
| 6 | | 7.1 | 1 6 | 2. | 71 | 176.6 | |
| 7 | 7 | | 1975 | 4.0 | 13 | 1753 | |
| 8 | • ? | 2 | 1057 | | :.6 | 054 | |
| 9 | • | 2.7 | 1267 | 2.4 | 74 | 1765 | |
| 10 | | 72 | 1305 | 4.1 | 1 4 | 1 51 | |
| 11 | *• • | -55 | 10.6 | 3. | 97 | 1575 | |
| 12 | • 2.5 | 71 | 1 27 | 5.7 | 145 | 1 51 | |
| 13 | • * | : 7 | 1087 | ` • 2 | 56 | 1 30 | |
| 14 | , • | 26 | 1567 | 9.1 | 236 | 77 | |
| 15 | • | 74 | 1 63 | 7.1 | 7 ^ | 1061 | |
| 16 | 7. 1 | < 1 | 1990 | 3. | 1 | 1 15 1 | |
| 17 | • 4 | : 1 | 1070 | 4.4 | 112 | 1 7 | |
| 18 | • 1 | 36 | 1517 | 7. | 1.4 | 106 c | |
| 19 | • | - | 15.0 | 4 . 4 | 112 | 1:74 | |
| 20 | • 1 | 4.7 | | 7.5 | 3 ^ | 108 | |
| 21 | • | 2י | 176 T | 1. | 36 | 1062 | |
| 22 | • | 7 1 | 17 1 | 4.1 | 104 | 1 76 | |
| 23 | 1 1 | 7 | 1 - 6 :: | 4 | 102 | 1 61 | |
| 24 | • | -, 2 | 1 | 4 . 5 | 114 | 5.5 | |
| 25 | | | 10:3 | 3.4 | 4 | 1060 | |
| 26 | . 1 | 7 | 1757 | 3.5 | 3 ^ | 157 | |
| 2/ | 7.3 | £. 1 | 17:5 | 3.5 | 3 | 1057 | |
| 28 | 1. | 4.1 | 1262 | 4 . 7 | 110 | 1 "7 | |
| 29 | | 7 | 1765 | 74 . | 1 ? | 1755 | |
| 30 | • 1 | 1.5 | 1070 | | . 6 | 1074 | |
| 31 | | | 1005 | 4 . 7 | 124 | 167 | |
| Mouthly | 7. | 1 | 10.4 | 1 • • | 269 | 1050 | |

| | | | МО | NTH | | | |
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| 5 | | ECIPITATIO GREATEST | | SNOWFALL GREATEST | | | |
| DAY | INCHES | ММ | DATE | INCHES | MM | DATE | |
| 1 | 3. | 71 | $I = I_{I}$ | 4.5 | 114 | 1 7 5 | |
| 2 | 1.12 | 2 | 10.1 | 3 . 4 | 5 | 1756 | |
| 3 | 1 1 | 15 | 1077 | • 1 | 7 | 1003 | |
| 4 | 2.2 | 57 | 1020 | 4 . 5 | 114 | | |
| 5 | | 12 | 1064 | 6. , € | 122 | 1 / 4 | |
| 6 | S • 4 | 16 | 1085 | 5. | 127 | 1575 | |
| 7 | 7.8 | 2 2 | 135 | 5 • 1 | 1.5 | 1 | |
| 8 | i • 1 | 46 | 1054 | 5.5 | 14 | 1 63 | |
| 9 | 1.09 | 2 1 | 1965 | 4 . F. | 102 | 3 5 | |
| 10 | 7.1 | 24 | 1072 | 5.7 | 175 | 1074 | |
| 11 | 1 • 2 | 41 | 1956 | 5.6 | 17.9 | 1567 | |
| 12 | 1 . 2 | 36 | 1746 | 6.0 | 1:2 | ; 79 | |
| 13 | 1.7 | 35 | 1303 | 2 • 4 | 51 | 10.6 | |
| 14 | 1 | 3 3 | 135.2 | 3.1 | 7.0 | 105 | |
| 15 | : • 00 | 25 | 1968 | 3.1 | 2 `€ | 1 74 | |
| 16 | 7. 6 | 19 | 1051 | 3.1 | 7.0 | 1574 | |
| 17 | ○ □ | 23 | 1065 | 8.2 | 200 | 1-67 | |
| 18 | ! • 7 | 26 | 1 7 1 | 3 - 3 | 4 | 1167 | |
| 19 | ○• Z | 1 3 | 1970 | 1.7 | 4.3 | 1 77 | |
| 20 | - 9 | 2.5 | 1-57 | 3.4 | 6 | 3 | |
| 21 | | 4.3 | 1 . 2 | 5.1 | 155 | 1 7 | |
| 22 | 1. | Ε, | 13.6 | 7.0 | 274 | 1 4 | |
| 23 | 7.1 | 15 | 1763 | - 4 | 1 ' 7 | 106. | |
| 24 | ^ • · · | 2.3 | 1983 | 7 • 1 | 7 4 | 1,25,3 | |
| 25 | 7 • I | 15 | 1077 | 3.5 | 5.7 | ; 77 | |
| 26 | 0.41 | 10 | 1350 | 4 . 1 | 104 | 1 54 | |
| 27 | 1.13 | 2 · | 1067 | 5.3 | 175 | 1 (4 | |
| 28 | 0.57 | 14 | 1077 | ₹, 😱 🥫 | 1:7 | 1913 | |
| 29 | D • 4 | 11 | 1964 | 4.0 | 102 | 1 - 4 | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| Monthly | 2.2 | 57 | 1050 | 9.0 | 234 | 1 : 4 | |

[·] ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

STATION NAME

| | · | | MO | VTH | | | | |
|---------|--------|------------------------|----------|----------------------|--|---------------|--|--|
| | | ECIPITATIO GREATEST |)N | SNOWFALL GREATEST | | | | |
| DAY | INCHES | MM | DATE | INCHES | ММ | DATE | | |
| 1 | 1.7 | ?4 | 107 | 3. | 215 | 1 :7 - | | |
| 2 | • | 74 | 1775 | 7.1 | 244 | 1171 | | |
| 3 | | 7 | 13.5 | 4.4 | 112 | _i _ə.' | | |
| 4 | 1. | 7.5 | 1303 | u. | 114 | i 77 | | |
| 5 | • | 10 | 1014 | 3.6 | 1 | # 5. 7 | | |
| 6 | ١ | 4.1 | 1 " 1 2 | 0.2 | 1 7 | 1050 | | |
| 1 | • | F 1 | 1 7 | | 211 | 1 57 | | |
| 8 | • | 74 | 1967 | 3.6 | 1 | 1157 | | |
| 9 | • | 4.3 | 1 ~ 5 ?? | 17. | 432 | : 5 | | |
| 10 | • 1 | 7.5 | 1-7: | 4 . 7 | 1 | 1"54 | | |
| 1 1 | • ^ - | 3. | 1 | 7 • 1 | 1 | 1 (| | |
| 12 | • 1 | 1 | 10.7 | 4.4 | 112 | 3 - | | |
| 1.3 | :• | 7 () | 1255 | 2 | 7 (| 1751 | | |
| -1 | ~ · | 71 | 1 67 | 7. | 97 | 1765 | | |
| 15 | | 1 - | 1 ~ 7 | • 1 | 5.3 | 1 74 | | |
| 16 | | 4. 2 | 1 4 | 7.7 | <u> } </u> | 1.8 | | |
| 17 | • • • | | 1776 | 7.1 | 5.7 | 5 | | |
| 18 | | - 4 | 1271 | 5. | 127 | 1750 | | |
| 19 | | ~ 7 | 12/6 | 4. | 152 | 1. 3 | | |
| 20 | | `2 | 1757 | | 5 1 | 13 | | |
| 21 | • 1 | 26 | 17-57 | 4 . : | 117 | 1 76 | | |
| 22 | | 7.3 | 1 " 5 3 | ٠, | 32. | 1151 | | |
| 23 | | | 1004 | 6.6 | 157 | 104 | | |
| 24 | | 43 | 1 24 | 6.2 | 157 | 1956 | | |
| 25 | | 7.2 | 1 - 5.7 | 3.5 | 9.7 | 1 1/8 | | |
| 26 | . 1 | : 1 | 1055 | 4.3 | 1 | 1955 | | |
| 27 | • | 74 | 1354 | 3.5 | 3 ' | 1 57 | | |
| 28 | 1.11 | | 13:1 | 1 | 45 | 1151 | | |
| 29 | • | 24 | 1075 | 3.1 | 7 - | 1 ' 3 | | |
| 30 | . 7 | | 10:2 | 3.4 | 25 | 1050 | | |
| 31 | • | 74 | 1000 | 5. | 135 | 1 6 3 | | |
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| 21 | 7.1 | 13 | 1056 | 1.1 | 2.5 | 1-75 | |
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| 25 | 7.4 | 1.1 | 1070 | 2.1 | 4 | 1052 | |
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| 27 | 1.13 | 2 | 1960 | 5.4 | 163 | : .63 | |
| 28 | 7.41 | 12 | 1266 | 2.5 | 71 | 1 7 - 7 | |
| 29 | 7.75 | 1 - | 1974 | 1.5 | 44 | 1 1.7 | |
| 30 | 1.0 | 27 | 1955 | 6.4 | 14.3 | 1457 | |
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* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

STATION NAME YEARS

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* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

STATION NAME

DAILY EXTREME AMOUNTS

YEARS

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^{*} ALSO ON EARLIER YEARS

1 TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

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* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

STATION STATION

STATION NAME

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| 29 | 1.10 | 2 | 1022 | 3.3 | 9 | 7 ~ |
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· ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

Noch, Tederal Building Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

E. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual all hours combined
 - (2) By month all hours combined
 - (3) By month by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

STATION NAME

EXTREME VALUES

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VEARS

DATLY PEAK GUSTS IN KNOTS

| MONTH YEAR | JAN. | | F | EB. | м | AR. | АР | R. | ' | MAY | | JUN. | | JU | L. | AL | JG. | SE | P. | oc | т. | NO | ov. | ı | DEC | | ALL MONTH | |
|---------------|---------|----------|----------|-------|--------|-------|----------|-----|--------------|------|----------|--------|------------|--------------|-----|--------|-------------|----------|------------|-------------|-----|--------------|----------|--------------|----------------|----------|--|------------------------|
| * c* * 1 | a : d | 6.5 | Nº N | 79 | S | 5 ? | COE | 55 | ₩S. | y 4: | 2 p.; p. | ة ليوا | . 3 | ssw | 50 | S # | 5.2 | S » | 54 | . S & | 7 9 | 5 5 E | 5.5 | 5 S • | | 3 | * * * | 7. |
| . 2 | 552 | 66 | SCW | 105 | 555 | 79 | A SW | 52 | w M | H 51 | 55 | | 57 | VVV | 64 | 1.5W | 67 | 15. | 4 = | ξ · | 95 | 5.7 | 78 | 1 | 7 | | 625 | - |
| * 3 | SSE | 59 | NE_ | 4,5 | S | 7.5 | f. SE | 75 | ļ | | 55 | 3 | إدر | 5 | 47 | | 58 | S W | - | 4 1 W | | MN.M | ಕ ೧ | 55. | | ii | | |
| د ب | 15 | 5.2 | 5.5 | ė. F. | S - | 109 | 55 W | 51 | er 14 | ¥ 75 | E | - 4 | • 3 | 5 | | » 5 F | 5.7 | (° | 57 | ι | | 5 S A | - | म र ५ | | - 11 | 2.0 | |
| 5,€ | | 8.3 | 5 S E | 63 | W S in | i_8_3 | m . H | 7 = | SH | 5 | 7 6 5 | - | | 45≽ | દ દ | | (L) | | | 5 | 90 | | 7.2 | | 7 | - 11 | # S b | ·.` |
| 5 e | 4.23% | 53 | 51/ | 7 | of Sia | 74 | 5 - | 9: | SF | 7: | 15.5 | - | Π | | 44 | N 41 m | 55 | 5 W | | 5 % | | 5 5W | | 5.21 | 7 | - () | 2.8 | ा है। । |
| 7,7 | - | 80 | 5% | ٢٦ | 5 1. | 6.2 | 554 | 76 | 55 | | | | 6 | d | 46 | _ | 58 | NNE | 55 | NN - | 57 | I | 35 | L | | | <u>, , </u> | |
| <u> </u> | 57 | 6.1 | ESE | 34 | ESF. | 8,9 | W | 54 | 45 | ¥ 6 | 31.1 | - 3 | 4 | 4 | 2.5 | | 6.0 | ı | 65 | | | 557 | दड़ | Γ | €. | - 11 | - 6.26 | <u></u> |
| 5.9 | 1,117 | 51 | 55 | 60 | Sw | 74 | wi. | 68 | S | 3 1 | 1NE | _ + | 8 | 4 24 4 | 5 3 | 4 S W | 49 | ESE | | EME | 67 | L | 43 | Ľ | 7 | - 11 | ्र स | |
| 44,0 | 55. | 70 | SF | 71 | 55,4 | 73 | 1 | 4.2 | | w 5 | 3 1/1 1 | | • 1 | | 41 | 5 E | ų Ģ | | _ | ਜ਼ਿਆਜ਼ | 70 | ſ | 70 0 | 55 | | - 11 | 7 % | |
| 1 | Sin | 50 | 55 k | 47 | NNE | | 5+ | 7: | | 6 | _ | | | 5 | | ~ S ¥ | | 45% | <u> 53</u> | L _ | 74 | 5 W | 151 | N 1 | ٠ | - | | 171 |
| 6.2 | - | 7 3 | 5.5 | 6 | WNW | 79 | W 7.14 | 5. | 333 | 6 | 255 | , N | ٠:١ | 4 | 53 | | 47 | - | | 55. | 55 | F _ | • | 777 | | _] | 2.5 | - 75 |
| 5.3 | , i* | 47 | E | 47 | 55. | | SSW | | 2 2 kg | £ 5 | 4::4 | | 16 | | 56 | | 41 | <u> </u> | 62 | 24 | 58 | H | 54 | Si | - 6 | _ 11 | 55 × | 7 : |
| 4. Q | 55 | 43 | 5 ~ | 62 | M 2 M | 5 9 | ST | 51 | 1 | | 5.5 | - | 5.8 | - | | 5 S E | - 65 | 1 | | | 7.3 | 7 | | 5 . | | - 11 | | |
| 7.5 | 115 | 47 | | | NINH | | <u> </u> | 4 9 | | | 1 | | | 55 | | 554 | | teN n | | P 12 H | 8.5 | <u> </u> | 72 | L | | 4 | | |
| ' 6 | الم الم | - | S 24 | 74 | M | 4 1 | | 5.0 | SN | | NV | - | 3 7 | | Ŧ. | 2 4 | • | N W | 47 | S # | 47 | Γ. | 58 | P * | 5 | | | - |
| 5.7 | . N. W | | 2 13 | | SF | | 5 w | 4 7 | <u></u> | | INN | | 1 | # <u>5</u> ₩ | 45 | L | 44 | 1 | 67 | Ni . | | 5'# | ₩. U | > | | - 11 | 4 1, 3 | 74 |
| 6.4 | ٠ | | ESE | ٠. ﴿ | 1 | 40 | NAM | | N W | | 751 | | 3 3 | S 2 | | MINE | - | NNE | | i N a | | 141 | ~ 4 D | 22. | 5 | | - 55 | 7.6 |
| 69 | 5 | | 5 4 | | 121 | | M ··· | 6 | 1 | 4 | | | 53 | <u> </u> | _ | 5 7 | ? 2 | | | NN. | 47 | Г | 69 | | , , | -#- | <u> </u> | 76 |
| 75 | | <u> </u> | 7- | | S . | 4 4 | | | | | 1 | | | 554 | 43 | | - | IN | | WK H | 59 | Г | | N N N | | - 1 | 2.7 | |
| 71 | - ° F | | 23 | | 3.7 | | 21 | | C 5 | | 717 | _ | . 2 | | 37 | | 64 | t | 46 | <u></u> | 51 | 1 | 63 | <u> </u> | - 6 | <u>p</u> | | +, 44 - |
| 7.2 | 25 | | 15 | | 12 | - | 22 | | 26 | | 224 | | 8 | | 31 | l' | 47 | 1 | 47 | (* ' | 57 | Ε. | 47 | Ŧ : | | 11 | 71 | 74 |
| | 2.2 | | 14 | | 22 | | 17 | | 28 | | 1 C | | 32 | | 42 | | <u> ১ ই</u> | | 61 | · | 61 | <u> </u> | 74 | _ | - 6 | 4 | 37 | 7.6 |
| ` ti | 00 | • | 1.7 | | 20 | | 2 ^ | _ | 2.6 | | 33 | | 32 | | 44 | !- ' | - | 1 8 | | 15 | 40 | T - | 65 | F" | | - 11 | 22 | 7 e |
| 7.7 | 1 ? | | 23 | 54 | | 6 | L | | 0.1 | | 72 | | + 5 | | | 24 | - | 24 | 59 | | 74 | Γ. | 76 | Ε | <u>د</u> | - | - 24 - | <u> 7,6</u> |
| 76 | 2.2 | | 24 | - | 17 | _ | ن ک | - | 28 | 4 | 1 | | 1 | | | 23 | - | 50 | | Z 3 | - | 03 | 59 59 | 14 | 7 | - | 7 0 | 36 |
| .7 | 3.5 | | 24 | | 25 | | 16 | | 127 | | 32 | | 3 6 | _ | 46 | | | 55 | | 28 | 95 | L | | 25 | - + | U | | |
| 7.6 | 11 | | 01 | | 2 5 | | 2? | | 23 | _ | 423 | _ | + 5 | | 42 | 1 - | | 22 | _ | 27 | 83 | | - | 21 21 | 7 | - 11 | - 1.7 2.3 | 70 |
| 70 | 2 * | 6, | 36 | _ 5 | 116 | | 20 | | 119 | - 5 | 2 | 5 ' | • 2 | ۷. | 28 | 25 | 46 | 14 | 3 ? | 29 | 66 | K. | | K 1 | | <u>-</u> | | <u> </u> |
| MEAN | L | | L | | - | | <u> </u> | | | | 1 | | } | | | ├ | | ├ | | _ | | ↓ | | | | -# | | |
| S.D. | ļ | | - | | - | | | | 1_ | | 1 | | _ | | | | | ├ | | └ ── | | | | ├ | | -# | | |
| TOTAL OBS. | ú | | l | | L | | | | 1_ | | 上 | | 1 | | | 1 | | l | | l | | L | | <u>L</u> . | | - 1 | | |

EXTREME VALUES

SOUTACE PINES

STATION

AJAN, AK

15.

STATION NAME

YEARS

DATLY PEAR GUSTS IN KNOTS

| YEAR "L | | - 1 | | EB. | M | AR. | APF | ₹. | MAY | JU | N. | JUL. | AL | JG. | SEF | ٠. | oc | τ. | NO1 | ' | 0 | EC. | MON | L THS |
|---------|-----|----------------------------|----|-------------------|-----|------------|-----|------|--------------|----|----------|-------|-----|------------|--------------|-----|----------|-----|-----|----------|----|-----|-----|------------|
| | 2.5 | 5.5 | 11 | 47 | 20 | 5 3 | : 4 | 5029 | 9 54 | 23 | 5 Z D | 2 41 | 22 | 76 | 36 | 4 - | 11 | 47 | 23 | e a | 13 | ह ह | 2.2 | -78 |
| | | | | | 25 | 67 | 27 | 4529 | 9 45 | 23 | 402 | | 24 | 42 | 36 | 41 | 5.5 | 50 | _ | 5 8 | | 67 | | |
| 4.7 | 1 = | 4 4 | 23 | 71 | 2 : | 76 | 27 | 540 | 1 49 | 15 | 432 | 6 47 | ? 1 | 40 | 1 e | 47 | 16 | 57 | 29 | 74 | 28 | इंड | 73 | 76 |
| | | | | | | | | _ | | | _ | | ļ | | | | | | | | | | | . —- |
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| MEAN | | | | 0.7 | | 3.6 | | າ•ງ | 5:09 | | 5.1 | 44.1 | | 1.3 | | • | | -1 | | -7 | | - 4 | l . | |
| S.D. | | (5 2 95 5 | | <u>743</u> 871 | | 521 980 | | 1221 | 1.304 867 | | 956 | 2.211 | | 972 792 | 12.2 | 26 | | 238 | | 59 | | 671 | 12. | 3 T 4 Z |

EXTREME VALUES

SUPPACE WINDS

257.4

ATIAN, AK

50-37

FROM DAILY OBSERVATIONS

STATION

STATION NAME

DATEY PEAK DUSTS IN KNOTS VEASED ON LESS THAN POR DESERVATIONS FOR MONTHY

YEARS

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP | OCT. | NOV. | DEC | ALL MONTHS |
|------------|------|-------|--------|---------------------|--------------|------|------|------|------------|-------------|------|-------------|---------------|
| 7.3 | : | 7: | С | 5 | o | • | S | , , | Ç | C | | | 7445 |
| 43 | | | | | WSW 52 25 | | | | | | | | 04YS |
| 4 | | | | | NNE 53 | | | | 4 €2 2€ | | | | DAYS |
| . 5 | | | | | VNC 43 | | | | | | | | DAYS |
| | | | | 51 93 2 5 | | | | | | | | | DAYS |
| • 1 | | C= 49 | | | | | | - | | | | | WINTS DAYS |
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| S D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

NAVAL WEATHER SURVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | AT A CAR | 27 - 27 | ۸۸ ق |
|---------|--------------|-------------|--------------|
| STATION | STATION NAME | YEARS | MONTH |
| | | MEL VEATHER | 51 |
| | | CLASS | HOURS IL S T |
| | | | |
| | | KOLTIGNOS | _ |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------------|-------|--------|-------------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | - • 1 | 1. | 1.611 | | 1. | • | | | | : | | | 1 . |
| NNE | | • | ?•' | | 1.0 | ' | • 1 | • 3 | | | | 1. | 17. |
| NE | . • | • | - • | | | • | • . | | | | | | |
| ENE | | • | 1. | 2.0 | 1. | | • 3 | | | | | | 1. |
| Ę | | • | 1. | • < | | 1. | | | | | | • | 18.1 |
| ESE | | • 1 | • | • | _ | | | | | | | 1 • | |
| SE | | . • | • | 1. | | | • | | | | | • | 1 |
| SSE | • ′ | 1.6 | • 1 | ● 7. | | • | | | | | | | |
| 5 | . 1 • 1 | • 75 | 1. | 1.6 | 1." | • | • | | | | | | 1 |
| SSW | . • | | 1. | 1.5 | | | | • | | 1 | | • | 17.7 |
| sw | • | | • | 2 • 7 | | • | _ | • * | | | | • | 1 - |
| \"SW | | 1 • 1 | 7. | | 1.5 | • | • 3 | | | | | • | 11. |
| w | • | 1. | 1.7 | 1.0 | • 5 | • 1 | • ′ | | | | | t • | 11. |
| WNW | • | • * | | • 1 | | • ′ | | 1 | | | | • | 11. |
| NW | | | | • 1 | | | | | | | | • ′ | |
| NNW | • | • | 1 . 7 | • | | • | | İ | | | | 5 • 1 | 1 |
| VARBL | | | | | | | | | | | | | i |
| CALM | $\supset <$ | >< | > < | >< | >< | >< | >< | >< | >< | >< | >< | 1 | |
| | 7.1 | 1 | 1 | 25.6 | ٩.1 | 7. 7 | 2.4 | 1. | | | | 1 7. | 10. |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

1 1 , as

SURFACE WINDS

24.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77.4

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|-------------------------|-------|-------|--------|---------|---------|---------------|--------------|---------|--------------|---------------------------------------|------|---------------------------------------|-----------------------|
| | _ | | | | CI | ASS | | | | | | NOURS | T |
| | _ | | | | COM | DITION | | | | | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ··································· | MEAN WIND SPEED |
| N | • | 1. | | 1.1 | !• | • (| | | · | • | | 7. | 11. |
| NNE | • | 7.0 | 1. | 7.0 | 1." | 1. | | | | • | | 1 | 17.3 |
| NE | • | • 1. | 7.6 | 7.0 | 1.0 | • | • 7 | • • | | • | | | ा य क |
| ENE | | • | • 7 | ₹.₹ | 1. | | • | | | | | | ्राम•र |
| E | • | • * | | 3.5 | 1.3 | | | | <u> </u> | | | 7.5 | 17. |
| ESE | | | • | 1. | . * | - | | | • | · | | | 13. |
| SE | • | • F. | | | • | | | | | • | | 1 | |
| SSE | | ! • " | 1. | 1.3 | | | ·· | | | • | | 4. | 17.5 |
| 5 | | 1.7 | • | 1. | • | • 4. | - | | + | + | | 4.5 | 11.7 |
| SSW | 1.0 | 1.7 | 1. | 1.6 | • 3 | • | | | | | | 5. | 11.4 |
| sw | ! • | • | 1. | 1 . F. | • | • ' | | | ! | | | | 1. |
| wsw | • | • - | 1.0 | 1.7 | • 3 | • 7 | | | + | · | | · · · · · · · · · · · · · · · · · · · | 1 |
| w | • 1 | • 7 | 1.4 | 3.2 | 1. | 1. | • 14 | | | • | | | 1 - |
| WNW | | • | | 1. | | | | | + | · · · · · · · · · · · · · · · · · · · | | 1 • | 11. |
| NW | • | • ' | • , | | • 7 | • 1 | | | + | + | | | • • |
| NNW | | 7 . | 1.7 | | • | • 7 | | | 1 | + | | | 1 2 |
| VARBL | | | | | | | | | + | • | | | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 25 7 W | • • 4• | 1.7 ± | | 11 |
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| | | CLASS | | HOURS IL S T |
| | | | | |
| | | CONDITION | | |
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| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | 4 | MEAN WIND SPEED |
|-------------------------|-------|--------|--------|-------------|-------------|---------|-------------|---------|-------------|-------------------|-------------|-----------|-----------------------|
| N | • | 1. | : • | 2.0 | | • | ,, | · | | · | | , , , | 11. |
| NNE | | ! • · | ž • * | 7.01 | 1.4 | 1. | • 4. | | | | | 1. | 17.3 |
| NE | • 1 | Ĭ. | | 1.7 | 1. | • * | | • | | | | | 14.5 |
| ENE | • 1 | • | 1. | 7.5 | 1.5 | 1. | | | | | | | 1 |
| E | • ` | • 7 | 1. | ₹•€ | 1. | 1. | | 1 | | | | • | 17. |
| ESE | | | | | | | | | | | | | 17. |
| SE | | • | | • 7 | . 7 | | | | | | | 1. | 1 • 5 |
| SSE | | | 1. | • 7 | | | | | | | | | 1 4 |
| S | •] | 1. | . 7 | • 6 | • 7 | • ' | | | i | | | • | • |
| ssw | | | • | . ∠, | • * | | | | l • | | | 4 . | 13. |
| sw | • | • | • ' | | • 6 | 1. | • 0 | | | | | | 1 . |
| wsw | | · | 2.3 | | 1.3 | • 7 | | | · | | | | 1.7 |
| w | • | 1 • ' | 1.7 | 1.7 | 1.0 | • | • ? | | ļ | : | | "• | 11. |
| WNW | | 1.4 | | 1. | , 7 | | | | · | · | | | •] |
| NW | • ' | • 3 | | 1. | | | | | · | · | | | |
| NNW | | | | • | • 7 | • 7 | • 7 | | l | · · · · · · · · · | | • | 1 - • |
| VARBL | | | | | | | | | 1 | L | | | |
| CALM | >< | >< | >< | >< | $\geq \leq$ | >< | $\geq \leq$ | | $\geq \leq$ | | $\geq \leq$ | 1 | |
| | | 1 7. " | 1 . 4 | 26.5 | 11.7 | · · · | 2.3 | 1.3 | | | | : \c. | 11.4 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

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Dr.

NAVAL WEATHER SERVICE DETAILBRENT ASHEVIELE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| STATION | <u> </u> | <u>. t </u> | \$7ATIO | n MARE | | | 17- | | | YEARS | | | |) : Ohta === |
|---------|-------------------------|-------------|---------|--------|---------|---------|---------|---------|---------------|---------|----------|--------------|---------------------------------------|-----------------------|
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| | | _ | | | | | LASS | | | | | | HOURS | |
| | | | | | | | | | | | | | | |
| | | | | | | CON | DITION | | | | | | | |
| | | | | | | | | | | | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | £ 56 | * | MEAN WIND SPEED |
| | N | • | 1. | . • | 7.0 | • ' | | | • 7 | | | | | 1 |
| | NNE | • | 1. | - | | • 1 | 1 • 4 | . ? | | | | | 1 • | 12.1 |
| | NE | | 1. | | | • 4, | • | • [1] | | | | | • | 14.5 |
| | ENE | | | | 1.6 | 2.5 | | + | | | | | 7.1 | 1 |
| | E | 1 | • | 7.7 | 1.0 | 1. | • 7 | • 7 | | 1 | + | | 1.1 | 1 |
| | ESE | • | • | • 4 | 7.1 | | • ′ | | | | . | | | 17.5 |
| | SE | | • | • ' | | • ? | | | | | | | 1.5 | 1 . 7 |
| | SSE | | 1. | • ' | | • 5 | • 1, | | | | + | | | 17.5 |
| | 3 | • . | ! • | : | | | | | | * | | | [.] | 1 • _ |
| | ssw | | 1. | 1.0 | 1.0 | • 7 | • | | | | | | | |
| | SW | • | • 1 | • | 1.0 | • .* | • * | • { | | | | | | 1 . |
| | WSW | • | • | • | 7.3 | .6 | 1. | | | 1 | | 4 | | 1 . |
| | w | | 1.7 | ~ | 2.0 | 1.6 | | | | | | | | 11. |
| | WHW | | | 1.4 | • 3 | | • • | | | : | • | | | • 5 |
| | NW | • - | 1.3 | | 1.0 | | | | | 1 | | | 7. | "。" |
| | NNW | | 1.7 | • 4 | 1.7 | • 6 | • 7 | | | | • | | | 11 |
| | VARBL | | | | | | | | | 1 | | | • | |
| | CALM | | | | | > < | | | $\overline{}$ | | | __\\\\ | · · · · · · · · · · · · · · · · · · · | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

27.8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AT 45 SPEED (KNTS) DIR. MEAN WIND SPEED 1 - 3 4 - 6 7 - 10 11 - 16 | 17 - 21 | 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 ≥ 56 Z 7.5 NNE 1. ENE 1. ESE SE SSE 5 1. SSW

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| S ₄ | | . 2 | | | | | · · · - | | | | | | | |
|----------------|-----------------|----------|------------|--------------|---------|----------|----------|-------------|----------|---------|----------------|-----------------|-------|---------|
| STATION | | | STATION | . H. M.E | | | | | , | YEARS | | | • 0 | C 1 1 4 |
| | | | | All of the s | | | | | | | | | | |
| | | _ | | | | | ASS | | | | - | | NOURS | . 5 7 |
| | | | | | | | | | | | | | | |
| | | | | | | COM | DITION | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | SPEED (KNTS) | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ς. | MEAN |
| | DIR. | | | | | | | | · | · | | | | SPEED |
| | <u> </u> | • | | • | | | <u> </u> | | | | | | • | • |
| | NNE | • | <u>'•'</u> | 1. | | 1.5 | _ 1. | | | · | | | • | 1. |
| | NE | | 1. | ٠. | | 1.5 | · | | | | | | • | 1 1 |
| | ENE | | • | 1. | 7. | 1 . | • | | • * | | | - | • | 1 . |
| | E | • | • - | 1. | | | • | • ` | | | | | • | - T |
| | ESE | | | • | | | | | | | | · · · · · · · · | : • · | 1 |
| | SE | i | • | • | • | | | • | | | | • | 1. | i . |
| - 1 | SSE | | • | | | · | | | | | • | - | • | 11. |
| | 5 | 1 | 7. 7 | 7.7 | 7.7 | - | • | | | • | • | - | | • |
| | \$5W | | 1. | • - | • | • • | | • | | • | · | - · • | • | 1 . |
| | SW | | 1. | 1. | 1.7 | • 3 | • | • | | • | • | • | • | 1 • 1 |
| i | wsw | | 1. | 1. | 1.5 | • | | • • | | • | | • | • | 1 .1 |
| Ì | w | | | 1. | | • | • | | | | • | | • | |
| | WNW | ! | • | 1. | 7 | * 7 | | | | • • • • | • | · • | | i 1 • |
| | NW | | • ` | | 7 | | | · · · · · · | | • | • • | | • | 1 . 1 |
| 1 | NNW | | • | | 1. | 7 | | | | • | | · - | ~. • | 11.1 |
| | VARBL | <u> </u> | | | + | •= | | | | • | | | • | - |
| | CALM | | | | | | | | ~~ | | ~ ~ | | | |
| | CALM | | | | | <u> </u> | | | <u> </u> | \sim | | | | |

TOTAL NUMBER OF OBSERVATIONS

MALALACASAGES LETA ORIGINA ALOENILA M

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | · | | · · · · | | ASS | | · · · · · · · · · · · · · · · · · · · | | | | HO∪ R : | , \$ \$ T |
|-------------------------|-------------|-------|---------------|---|-----------|---------------------------------------|---|---------------------------------------|---------|---------|------|----------------|--------------------|
| SPEED (KNTS) DIR. | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | •, | MEA WIN SPEE |
| N | • | • | • | | | • | • | | | | - | • | : |
| NNE | • | 1. | • | | 1. | 1. | | | | | • | - 1 . | : |
| NE | • | • | 1. | • | • | | • | | | | • | | 1 |
| ENE | | • | 1. | • | | · · · · · · · · · · | | | • • • • | | • | | 1 |
| E | # · · · | • | 3. | - , , , , , , , , , , , , , , , , , , , | ! • * ' | | | • | | | • | • | |
| ESE | : | • | • | | | | | - , | • | - | | | |
| SE | • | • | | • | • | • | • | | • • • • | | • | | • : |
| SSE | | | | • | - · · · · | | • | | • | | • • | | • • • |
| s | • | • | 1. | 1.7 | - | • | | | | | • | • | |
| SSW | • | • | | • | | • | | • | | | • | • | 1 7 |
| sw | | • | | • | • | 1. | • | • | | | • | • | 1 - |
| wsw | | • | 1. | 1. | i | • | • ' | | | | • | • | 1 |
| w | • | • | | | | · · · · · · · · · · · · · · · · · · · | • | | | | • | | ; |
| WNW | i. | • | | | • | | • | • | | | • | • | |
| NW | i, | | | • | | | • | | | | • | • | |
| NNW | | 1. | | • | • | • | | • | | | | | |
| VARBL | ī I | | | | | | | | | | | - | |
| CALM | | | S. 2* 4=== | · | | | $\geq <$ | \ | | | | | |
| | | | | | 11. | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | . , |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, VC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | • . | <u> </u> | | | | | - | | | | | | 4. | |
|---|------------------------|--------------|--------|---------|--------------|---------|---------|-------------------|----------|----------|---------|---|-------|-----------------------|
| H | | | STATIO | 34 NAME | | | | | | EARS | | | | NTH |
| | | | | | | 18. E | 1775 | | | | | | | |
| | | _ | | | | C | LASS | | | | | | HOURS | i ik s T |
| | | - | | | | CON | DITION | | | | | | | |
| | SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | | 17 - 21 | 22 - 27 | 28 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | *• | MEAN WIND SPEED |
| | N | | 1 | | | 1. | | • | | | | | • | 11.0 |
| | NNE | • | • | | | • | 1. | • 4 | | | | | | 1 |
| Ţ | NE | | | 1. | | . / | • | | | | | | | 1 `• |
| ſ | ENE | | • | | • | | • | | | 1 | | | • • | 1 |
| 1 | E | | ! . | | 1. | 1. | 1. | | • ~ | | | • • | • 7 | 1 |
| ſ | ESE | i i | | | • | | • | | | | | | • | |
| I | SE | * | | | | | • | | | | | | ** | 17. |
| Ţ | SSE | | | ! | | | | | | | | | ; · | 1 |
| | S | | | 1. | 1.0 | | | • | | | | | | 1 |
| ſ | 55W | | • | • | | 7 | 1 • | | | | • • | · · | | 14. |
| [| SW | 1 | | | 1. | • 7 | 1. | • | | | | | | 1. |
| | wsw | • | | | | | | • | | | • | | • | |
| | w | • | • | · · | | 1. | 1. | | | | | · • | • | 1. |
| | WNW | | 1. | | | | | | | | | · - · · · · · · · | |] |
| | NW | 1 | | | | | | | | | | | | 11. |
| ſ | NNW | • | | 1. | | | • | | | | | + | • | 11.7 |
| | VARBL | [| | | | | | | | | | | • | |
| | CALM | | | | | | | | | | | | • | |
| ŀ | | | | | | | | \longrightarrow | <u> </u> | / | | e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de | | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

é

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| * 4 | 4 (1 m) (4 | · • • | $\mathcal{L}(T)$ |
|---------|--|---------------------|------------------|
| STATION | STATION NA | ME | YEARS |
| | | THE STATE OF STATES | 44.1 |
| | | CLASS | HOURS IL S T |
| | | | |
| | | CONDITION | |
| | | | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | . 41 - 47 | 48 - 55 | ≥ 50 | | MEAN WIND SPEED |
|-------------------------|-------------|-------------|--------|---------|----------|---------|-------------|-------------|---------------|---------|------|-------|-----------------------|
| N | • | 1. | 7 | 2.7 | • ' | • " | • 1 | • | | • | | • 1 | 11. |
| NNE | • | | • | 7.4 | _1.7 | 1 | • ' | • ` | | • | | 1. | 1 - 1 |
| NE | • | 1. | 1.7 | 2.1 | • 4 | _ | • 14 | • . | | • | | 7 • | 1 . ' |
| ENE | • 1 | • | 1. | • | 1.5 | • | - 1 | • 1 | | | | 7 . | 1 |
| E | • . | • | 1. | 2.4 | 1.0 | 1. | • ' | • | | | | , | 1. |
| ESE | • | • | • • | 1.1 | . 1 | • 7 | • | | | | | | 1.7.4 |
| SE | • / | • | • | • (4 | | • | • 1 | | | | | 1 • | 1. |
| SSE | | • ' | • " | • 7 | • 6 | • 6 | • | | | | | • | 12.7 |
| 5 | • | 1.: | 1. | 1.7 | • Ç | • . | • 1 | | | | | 2. | 1 ~ • * |
| SSW | • | • - | 1.1 | 1.5 | • 4 | | | • 1 | | | | 4 • | 11 |
| sw | • | • 7 | 1. | 1.0 | | • 5 | • 1 | • 1 | | | | t ø | 14.5 |
| wsw | • ' | 1.0 | 1. | 1.9 | • ? | • | | | | | | | 11.7 |
| w | • | 1. | 1. | 2.5 | | • 4 | • ` | | | | | • | 12.4 |
| WNW | • ! | • ' | • | • (| . 2 | • - 1 | | | | | | | 17.3 |
| NW | • ; | • | • 1 | • 1 | • ! | • 1 | | | | | | • | 7.7 |
| NNW | • | • | 1. | • 7 | , ii | • 1 | • | | | | | 7. | 11.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | $\geq \leq$ | $\geq \leq$ | >< | >< | $\geq <$ | | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | >< | | | |
| | • | 1 . | 7.7 | 27.4 | 1 • 6 | = 4 | 2. | . 7 | | | | 1 12. | 11.2 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ٠ ـــ | | | 17 = 3.1 | | ÷ 1 |
|---------|---|--------------|-------------|-------|--------------|
| STATION | | STATION NAME | | YEARS | WONTH |
| | | | "LL VESTIE" | | , • |
| | | | CLASS | | HOURS CL S T |
| | | | | | |
| | _ | | COMPLTION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ` | MEAN WIND SPEED |
|-------------------------|-------|-------|--------------|---------|---------|---------|---------|---------|---------|---------|-------------|-------|-----------------------|
| N | | • | 1 • 1 | 7. | | | • | | | | | 7. | 17.1 |
| NNE | . 1 | ! | - • | 7 • | 7.7 | 1 • 4 | | | | | | 1:. | 1 |
| NE | | • 7 | ` • : | 1.4 | . 4 | 1 • | | | | | | | 1 |
| ENE | | • | • '' | • 7 | • 4 | • 7 | • " | | | | | • | 1 7 |
| E | | • | • | 1. | 1.4 | • • | • | ! | | | | | 1 7 • |
| ESE | | • • | _ | • " | • 7 | • 2 | | | | | | | 14.4 |
| SE | • | • | | 1.1 | • - | | | | | | | | 11.4 |
| SSE | • • | | 2. | | , t. | • • | | | | | | i e | 11.4 |
| S | . 1 | 1. | 1. | | | • | | | | | | • • • | . 7 |
| SSW | 1 | • 7 | • 7 | 1 | • 7 | | | | | | | | • 7 |
| SW | • | | | 1.4 | 1.4 | • " | • 12 | • 7 | | | | | _1 _ • 7 |
| wsw | | • | _ ^ • ! | 7 | . 7 | • | | | . 4 | | | |] L . 4 |
| _w _ | 1.1 | 1 | 1.4 | 1.4 | • 7 | 1.4 | | | | | | 7 • 1 | 12.0 |
| WHW | | | • | | 4 | | | | | | | 4. | <u>.</u> د د |
| NW | | • , | 7.1 | 1.1 | . 4 | | | | | | | 4. | _17 |
| NNW | • 1 | | 1.1 | 1. | • u | | | | | | | | 1 . 7 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | | >< | >< | >< | | >< | >< | $\geq \leq$ | 11 | |
| | ., | 1 '• | į - . | 22. | 11. | | 1. | . 7 | , u | | | 1-5. | 1 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

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7

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| * 4: | 4 2 4 | 2.7 ≈ 2 ₂ | u. t |
|---------|-------------|-----------------------------|-----------------------|
| STATION | MAN HOSTATS | YEARS | MONTH |
| | | ALT OF ATHE | <i>!</i> ₄ |
| | | CLASS | HOURS (L S T |
| | | | |
| | | CONSITION | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 2 7 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | · • | MEAN WIND SPEED |
|-------------------------|-------|----------|----------|---------|---------|-----------------|---------|---------|-------------|-------------|----------|-------|-----------------------|
| N | | 1.1 | 7.6 | | 1 | • 7 | • 7 | | | | · | • | 1 / • * |
| NNE | | 1. | ∷ • | • . | 1. | 1.5 | | | | | | 11. | 17. |
| NE | . 1 | • • | • 7 | | 1.1 | 1.1 | • 4 | | | | | . , ' | 1 4 . 1 |
| ENE | | | • ` | 1.1 | 1.1 | 1.1 | | | | • | | | 1 7 • |
| E | • • | • - | • | 7.7 | ٠, | | . 4 | ! | | | | 5.7 | 1. |
| ESE | | • 1 | • `` | • | . 7 | . 4 | | | | | | | 16. |
| SF | • 1 | | • " | 1.4 | | | | | | | | | 1 • 7 |
| SSE | | | 1.1 | 1. | | | | • 4 | | | | ₹ • | 14. |
| 3 | | 3.1 | • 7 | 1.4 | . 4 | | • 4 | l | | • | | 5 • 6 | 7 |
| ssw | | • | | . 4 | . 4 | | . 4 | | | | | 3.5 | |
| sw | 1 . 1 | | 1.1 | 1.0 | • 7 | • 7 | • 7 | 1 | | : | | '• | 1 2 . |
| wsw | 1.1 | • | 1 • 4 | 1.4 | . 7 | | • 12 | | | | | | 11. |
| w | 1.1 | 2 € | 7. | 1.4 | 1.4 | • 7 | | . 4 | ! | : | • | 11. | 11.4 |
| WNW | | • 4 | • ` | 1.1 | | | | | | | | 2.1 | 11. |
| NW | | | 1.1 | 1.4 | | | . 5 | | | | | 4.1 | 1 |
| NNW | | • • | • • | 2.1 | . 4 | - 4 | . 4 | | | | | | 1 5 |
| VARBL | | | | | | | | | | | <u> </u> | | |
| CALM | >< | \times | \times | > < | > < | \times | > < | > < | $\geq \leq$ | | | 1. | |
| | . 3 | 1 | 1 | 25.2 | 11.3 | 5.7 | 7.7 | 1.1 | | i | 1 | 110.1 | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS IL S T

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | | MEAN WIND SPEED |
|-------------------------|-------|-------|------------|---------|-------------|---------|---------|---------|---------|---------|----------|------|-----------------------|
| N | • : | ,,, | | 7. | 1.5 | . 7 | • 4 | | | | | 11.7 | 11. |
| NNE | • 7 | • 1 | 1. | • - | 7, - | 1. | | | | | | !1. | 14 |
| NE | • · | | ٠, ١ | ! . 1 | 1 • 1 | , is | • 1 | | | | | 4. | 1 |
| ENE | | | 1.1 | 1.1 | 1.1 | • ' | • 14 | i | | | | 4. | 17.1 |
| ŧ | | • " | • | 7.1 | • 4 | 1.1 | . 4 | • 4 | | | | | 14.3 |
| ESE | | • | • • | . 4. | . 7 | | | | | | | 1 • | 12.4 |
| SE | | • " | • ~ | 1 • 4 | . 4 | • • | | | | | | 3. | 12.1 |
| SSE | • | • | • " | 1.4 | • 4 | | | | | | | | 11.0 |
| 5 | | 2. | ĵ. | . 7 | . 7 | • (1 | | . 4 | | | | | 11.3 |
| 55W | 1.1 | • 4 | • 1 | i • 1 | | • - | | | | | | 3 • | ₹ . € |
| SW | • | 1. | | 1 • 4. | . 7 | • 7 | . 4 | . 4 | | | | 5.01 | 14.5 |
| WSW | : • • | 1. | 1. | . 7 | • 1 | | • 1 | | | | i | 7. | 1 • 1 |
| w | 1 • 1 | ! • | • | 1 • ^ | 1.5 | • 7 | | | | | | • | 11.7 |
| WNW | • | • 1 | 1 . 1 | 7.1 | . 4 | | | : | | | | 4. | 11.3 |
| NW | | • • | 1 . : | . 4 | . 4 | | | | | | | | · · |
| NNW | | • | 1 | 1 • 1 | | | • 7 | | | | | 3. | 13.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | \nearrow | >< | $\geq \leq$ | >< | \geq | | \geq | >< | $\geq <$ | 11. | |
| | 7.1 | 13. | , ~ , ~ | 27.4 | 1 • | 3 . 4 | 7 | 1.1 | | 1 | • | 1 3. | 11.3 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | 21.8 | . 4. | | | | | 11- | | | | | | | · · · · |
|---------|----------------|--|---------|--------|---------|---------|-------------|---------|---------|----------------|--|-------------------|---------------------------------------|---------|
| STATION | | | STATION | HAME | | | | | , | EARS | | | • | ONTH |
| | | | | | | TEL AS | ATHE | | | | | | | 1 |
| | | | | | | CI | ASS | | | | | | HOURS | CCS T |
| | | | | | | | | | | | | | | |
| | | | | | | COM | BITION | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | _ | | | | | | | |
| | | | | | | | | | | | , | | | |
| | SPEED | | | | İ | l | | i | | | | ľ | | MEAN |
| | (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | . % | WIND |
| | N | | ~.1 | 2. | 2.0 | 1.1 | 1.1 | | | | ; | | · 1. | 11. |
| | NNE | | • • | 1.4 | 3.5 | 7.5 | . 41 | . 4 | | | • | | | 14.2 |
| | NE | # + | | · u | | . 4 | - 4 | | . 7 | | | | · · · · · · · · · · · · · · · · · · · | 17.8 |
| | ENE | | | 1. | 1. | | • 7 | .41 | | | † | | | 17.7 |
| | E | 1.1 | | 1.1 | ? • 5 | | | . 4 | | | + | | 7.1 | 1 |
| | ESE | | | . 7 | | . 4 | | | | | | · · · · · · · · · | 7. | 11.0 |
| | SE | ! | | | 1.1 | . 4 | , 7 | | | | † | | - | 15. |
| | SSE | | 1. 1 | 1 (5) | . 7 | • 7 | | | | | † - | | 4.6 | 7.7 |
| | 3 | . 7 | | 1.1 | • 7 | , | 7 | | | | ! | | F . | 17.04 |
| | SSW | • | - 7 | | 1.4 | | , , | | | | | | • | 1 7. |
| | sw | • | 1.1 | 1. | . 7 | . 14 | 1.1 | . 4 | | | | | E | 17. |
| | WSW | 1.1 | • - | | | 2.1 | | 1.1 | | - | + | | | 1 |
| | w | | 1. | 1. | 1.1 | . 7 | 1.4 | • 4 | | | | | 7.0 | 17.5 |

TOTAL NUMBER OF OBSERVATIONS

11.

SMOS

NW NW NNW VARBL CALM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | 4" A , A . | · - | | # * |
|---------|--------------|----------------|-------|--------------|
| STATION | STATION HAME | | YEARS | MONTH |
| | | የዚህ የለመፀር | | 1 " |
| | · | CLASS | | HOURS (L S T |
| | | | | |
| | | COMBITION | | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------------|----------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------------|
| N | | 1.1 | ∴ . | 7.5 | 1.5 | • " | | | **** | · | | 1:. | 12. |
| NNE | • ~ | • • | • " | | 1.4 | 1. | • • | | | • | | 7. | 1 - |
| NE | • | • | • '- | | 1.1 | 1.1 | | | | | | • | 1 |
| ENE | | • 7 | 1. | 2.5 | 1.1 | • , | | | | | | 7.7 | 1 . |
| E | • | • 7 | • 7 | 2.1 | . 4 | | | | | | | 5. | 1 . |
| ESE | • | • '• | • • | ^ • 1 | | 1.1 | | | | | | 4 . | 17. |
| SE | | • 1 | • | | • h | • 4 | | | | | | 1.6 | 14 |
| SSE | | 1.1 | ે ક | 1.1 | . 4 | | | | | | | ۲ . | |
| S | • ' | • ? | 7.1 | 2 • f | • tı | | • 4 | | | | | Ç | ٠, |
| SSW | • 7 | • 2 | 2 • 1 | 2.1 | . 7 | | | | | | | | 1 ! |
| sw | • 3 | | ٠ نـ | 7•5 | . 4 | 1.1 | . 4 | . 4 | | | | • 1 | 1 7 |
| wsw | `•1 | 1 • 1 | □ 1 | 1.4 | 1.4 | . 4 | • 4 | | | | | 7. | 11 |
| w | • - | • 7 | • - | 7.5 | 2.5 | 1.6 | | | | | | | 1 |
| WNW | | , 7 | 1.1 | 1.1 | • 7 | . 1 | | | | | | | 1 ' |
| NW | • 1 | • 7 | ية و | | . 4 | | | | | | | 1. | |
| NNW | | a 44 | 1 • 1 | 1 . 4 | . 4 | • 12 | • 15 | | | · · · · | | |] 4 |
| VARBL | | | | | | | | | | | ·- · | · · | |
| CALM | >< | >< | $>\!\!<$ | >< | >< | >< | >< | >< | > < | >< | | | |
| | | 17.1 | 18.4 | 27.0 | 17.1 | 1 • | 3. | . 4 | | | | 100. | 12 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | 8™ L · · · · · · · · · · · · · · · · · · | 12 m 12 | \$ 7 ° |
|---------|--|------------|-------------|
| STATION | STATION HAME | YEARS | |
| | | FLL VEATHE | 1 . |
| | | CLASS | HOURS ILS T |
| | | COMBITION | |
| | | COMPLYION | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 . 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ` ' ⋄ | MEAN WIND SPEED |
|-------------------------|-------|--------|--------|---------|---------|------------|-------------|-------------|-------------|---------|--------|-----------------|-----------------------|
| N | • | 1. | 1.1 | ĵ•1 | 1. | 1 • 4 | • | | | | |) <u>.</u> c | 1 |
| NNE | • - | 1.1 | 1.1 | 7.5 | c | • 7 | • | | | | : | | 14. |
| NE | | . 4 |) • ° | | 1. | • '• | • (| . 4 | | | • | 7 | 1 . |
| ENE | | ! • 1 | • | 1.4 | 1.1 | | • | | | | | ٢. | 1 |
| E | • ' | 1.1 | • | 1.0 | 1 • 1 | | | | | | | | 12. |
| ESE | • | • 7 | | • 7 | 1.1 | | | | | | | `• | 1.7. |
| SE | | • | I • | • 4 | 4 41 | | | | | | | 2•₽ | ، و د |
| SSE | | . 4 | 1. | ? • 5 | | . 4 | | | | 4 | | €. | 11. |
| 5 | • | 1 . 13 | 1.4 | 1 • 4 | • | , u | | | | | | 5.7 | 10. |
| ssw | | 1.1 | 1.4 | | . 4 | . 7 | · | | | | | | 11. |
| sw | li | i | 1. | 1. | | | 1.1 | | | | | • | 14. |
| wsw | | • • | 1.1 | | | 1.1 | | . 4 | | | | 5 | 1 . |
| _w | • • | 1 • 1 | 1 . 1. | | 1.1 | 1.1 | | | | | | • | 1 7 . |
| WNW | • ' | 1. | • | 7.1 | • 7 | | | | | ļ | | 5. | 1 " • 2 |
| NW | • • | • 7 | 1.1 | • - | • • | | | | | i • | | 3 | 1. |
| NNW | | 1. | 7.1 | : • 1 | 1.4 | • 1- | . 4 | | | · | : • | ۲.۱ | 1 |
| VARBL | | | | | | | i | | | | | | |
| CALM | >< | >< | >< | >< | >< | >< | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | | >< | 5. | |
| | 4 . | 1 | | · • 1 | 1 4 . 5 | 7.: | | • 7 | | | • | 1 0. | 1:. |

TOTAL NUMBER OF OSSERVATIONS

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 7 7 | 1 4 4 4 4 | | · - · · | | • |
|---------|-----------|--------------|----------------|-------|--------------|
| STATION | | SHAN HOLTATS | | YEARS | WORTH |
| | | | LL (AT OFF | | 1 ' |
| | _ | | CLASS | | HOURS IL S T |
| | | | | | |
| | | | COMBITION | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------------|----------|----------|---------|----------|-------------|-------------|-------------|-------------|-------------|------|-------|-----------------------|
| N | • | 1 | 1 . | · · | 7.1 | | • | • 4 | | | | . • | 1 |
| NNE | . 4 | 1. | 1.1 | 7 - | | 1.1 | | | | | | | 1 . 4 |
| NE | • | | 1.4 | 1.4 | | . 1 | | 4 14 | | | | | 1/ 1 |
| ENE | | • | 1.1 | 1.4 | 1.4 | • 7 | | | | | | • | 1 . 4 |
| E | • | • '' | 1.1 | 3.0 | 1.4 | 1.4 | | t, | | | | | 1: . 6 |
| ESE | 1.1 | • 4 | • 7 | 1 • 1 | . 4 | | | | | | | 7. | · • 1 |
| SE | | | | 1.1 | | • | | | | | | 1.~ | 1 . 5 |
| SSE | • | • -1 | 1.1 | 1.1 | 1.1 | | | | | | | 3 • | 11.5 |
| 5 | • 7 | 1.1 | 1 • 1 | . 4 | • tı | . 4 | | | | | | 3 • 5 | ٤.1 |
| SSW | • 7 | • 7 | 1.1 | 1 • i | . 7 | 6 14 | • 4 | | | | | | 12.1 |
| SW | | | 1.5 | 2.1 | | • 7 | | | | | | 4. | 1 . |
| wsw | • '- | 1.1 | | • 7 | . 7 | • 7 | | ٠, ١ | . 4 | | | | 1 |
| w | • 1 | 2.1 | 2.1 | 4.3 | • 4 | . 4 | . 4 | | | | 1 | | 11.3 |
| WNW | • | 1.4 | 1.1 | 1.4 | .7 | | | | | | | | 7 • € |
| NW | i • 1 | • 4 | 1.4 | .7 | • 4 | | | | | | i | 4.7 | ° • 1 |
| NNW | ● 1+ | • 7 | • 7 | i • 1 | 1.4 | 1.1 | | | | | | i | 14.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | $\geq <$ | $\geq <$ | >< | $\geq <$ | >< | $\geq \leq$ | $\geq <$ | $\geq \leq$ | $\geq \leq$ | | • | |
| | | 1 7 • 1 | 17.4 | 27.7 | 15.5 | 9 | 1.1 | 1.4 | • 4 | | | 100. | 11.7 |

TOTAL NUMBER OF OBSERVATIONS

- PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ٠ | $L \cap L = L \cap L$ | | 7 ° - 1 | | 7 7 |
|---------|-----------------------|--------------|-------------|-------|--------------|
| STATION | | STATION WAME | | YEARS | MONTH |
| | | | CLASS CLASS | | HOURS IL S T |
| | | | CONDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ` | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|------------|---------|---------|---------|---------|-------------|----------|---------------------------------------|-----------------------|
| N | • 1 | 1.! | 1. | 7.1 | 1 . 4 | | • • | | ··· | · | | • | 1. |
| NNE | | • 7 | 1.1 | - | 2.5 | 1. | | | | | . — | 1.5 | |
| NE | | • " | • • | 1.1 | • 7 | , , | • 4 | | | | | • • | 1 - • |
| ENE | • - | 1.! | 1. | . 4 | • 7 | • 1 | . 7 | | | • | | | 1. • |
| E | • ' | • ' | 1.4 | 2.1 | . 4 | 1.1 | | • " | | ·_· · · - • | | · · · · | 14. |
| ESE | • | | 1. | • 4 | | | | | | | | | • |
| SE | | • 4 | | • ! | | | | | | | | 3. | 14. |
| SSE | • | 1.1 | ۵. | • 7 | . 7 | . 7 | | | | | | • • • • • • • • • • • • • • • • • • • | ī^. |
| 5 | • | 1.1 | 1. | | | | | | | | | | |
| SSW | | ! • | 1. | , ù | • 4 | | | | | | | | • |
| sw | • 1 | • - | 1.1 | 1.4 | 1 • 4 | | . 4 | • - | | | | | 1 . |
| wsw | • 1 | | 1. | 1.1 | i • 1 | 1.1 | . 4 | | a ia | | | į • t. | 15. |
| w | 1.1 | 1.4 | 2.5 | 7.1 | • 7 | • 7 | | | | | | • | 17. |
| WNW | • 3 | • 4 | • | 1.4 | . 4 | | | | | | | ₹. | 1 |
| NW | • • | • 7 | | • 41 | • 7 | | | | , | | | 4. | |
| NNW | • | • • | 1 | 1 • 1 | • 4 | • 11 | | | | | | | $\overline{11}$. |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | > < | >< | >< | >< | >< | >< | >< | | | 1. | |
| | 7.1 | !1. | | | 1. | , | 2.5 | 1.1 | . i | | <u> </u> | 1 | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 2. | 1 · · · · · · · · · · · · · · · · · · · | | * = * | | |
|---------|---|--------------|--------------|-------|-------|
| STATION | | STATION HAME | | YEARS | #DNTH |
| | | | TEL TEAT IE | | u.t. |
| | | | CLASS | | HOURS |
| | | | | | |
| | | | CONDITION | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|---------|---------|---------|-------------|---------|---------|----------|-------------|----------|-------|-----------------------|
| N | • | · • | | | 1 | | • | • ` | | | | - | 1.7. |
| NNE | • | 1.0 | 1.5 | 7 • f | ? • ° | 1.7 | • . | | | | | | 1 : |
| NE | • | • " | • | 1. | • ^ | 1. | • . | • ` | | | | | 1/.1 |
| ENE | • | • | 1. | 1.3 | 2. | _ • | • ? | | | | | ** • | 1 |
| E | • | • - | 1.6 | 2.4 | | • * | • 7 | • 1 | | | | • * | 1 • |
| ESE | • ` | • - | | • C. | • 6 | • 7 | | • | | | | • * | 1.2. |
| SE | • ! | · 3: | • | 1.1 | . 7 | • 7 | | | | | | 2.0 | 17. |
| SSE | • | • | 1. | 1 • | . 4 | • ` | | • ^ | | | | 4. | 11. |
| S | • 1 | 1.7 | 1.4 | • 6 | e Ai | . 4 | • 1 | | | | | • | • |
| SSW | • | • | • | 1.7 | • 4 | • 1 | _•1 | | | | | 4.1 | 1 • |
| SW | • | • 11 | 1.0 | 1. | • 4. | • ' | • 4 | • 7 | | | | | 1 . |
| wsw | • 7 | • | 1. | 1.5 | 1. | | • 4 | . 1 | • 1 | | | • | 1 . |
| w | • | 1. | 7. |] • 1 | 1.0 | 1. | • 1 | • 4 | | | | | 13. |
| WNW | • | ! • | 1. | 1.7 | . (: | • i | | | | | : | | 1 . |
| NW | | • - | 1.5 | . 7 | ه ا | | • | | | | | _ 7. | • |
| WMM | • ` | • ' | 1.1 | 1.5 | • | • 94 | • 2 | | | | | • • | 1 • |
| VARBL | | | | ĺ | | | | | | | | | |
| CALM | | >< | | >< | | $\geq \leq$ | | | $\geq <$ | $\geq \leq$ | $\geq <$ | 1. | |
| | | 1.7. | 1 " • " | 27.07 | 17.6 | 3, | 7 | • ^ | • 1 | | | 100.1 | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| STATION | | | STATE | EMAN P | | | | | | YEARS | | | M C | ORTH |
|---------|-------------------------|----------|-------|--------|------------------|---------------|---------|---------|---------|-------------|---------|------|-------------|-----------------------|
| | | | | | | 7 <u>1.1.</u> | AT (E) | | | | | | | : |
| | | | | | | C | LASS | | | | | | HOURS | - E S T |
| | | _ | | | | con | DITION | | | | | | | |
| | | | | _ | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | SPEED (KNTS) DIR. | 1 · 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | \ | MEAN WIND SPEED |
| | N | • | 1. | • | 1.6 | | | • 7 | | | | | (• | 1.3. |
| | NNE | • | • / | 1." | ^ • ⁻ | • ′ | • | • | | I | | | | 1 |
| | NE | | • | • | 3.4 | 1. | • ' | • | | | | | • | 1 - 1 |
| | ENE | | • | • • | 1.0 | 1. | • - | | | • | | | | 16. |
| | E | 1 | ٠. | | 1.6 | • | | | | 4 | * | | • | 1 .1 |
| | ESE | 1 | | • - | 1.* | • 7 | | | | + | + | | | 1 1 |
| | SE | # !! | | • | • ' | • | | | | + | * | | 1. | 12. |
| | SSE | 1 | | | • ' | | | | | | • | | | 1 . |
| | 5 | | | ; • | . • ₹ | 1.3 | | • | | • | · | | • | 11. |
| | \$5W | | 1. | 1.7 | | | | 1.7 | | | • | | * | 1 |
| | SW | 1 | , • · | | 2. 7 | 7. 7 | 1. | 1. | 1. | • | + | | <u> </u> | 1.7 |
| | wsw | 1. | 1. | 1.5 | | | 1. | • | | + | | | | 14. |
| | w | 1 | • | 1 . | 1. | 1.4 | | | | • | | | • : | 1 . |
| | WNW | 1 | • | 1. | • - | • * | | 1. | | | • | | | 1 |
| | NW | l | • | 1. | 1.5 | | • | | | | · | | | |
| | NNW | <u> </u> | 1. | | : • * | 1.7 | 1. | | | | •—— | | | 17. |
| | 1 | u • 1 | . • | • | | • • | | | | i . | | | | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

VARBL CALM

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | _ | | | | L.L , | A55 | | | | | | * ** | is i s T |
|-------------------------|-------|-------|--------|-------------|--------------|----------|----------|--------------|-------------|----------|---------------------------------------|---------|--------------------|
| | - | | | | CON | D17+ON | | | | | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ۹, | ME: With SPE |
| N | • | : • | | • | | 1. | • " | | | | | | 1 |
| NNE | • | : • | 1. | 1. | 1.7 | • 1 | • - | • | | | | • , | 1 |
| NE | • | | • | 1.0 | • ' | • | | | | | | | . 1- |
| ENE | | • | • " | •1 | 1. | • • | | | | | | - · | • • • • |
| E | • | | | 1. | • 6 | • | | | | •— — | • • • • • | | · :. |
| ESE | • | • / | 1 • 4 | 1.5 | . ? | | | | | | | • | • |
| SE | | • ' | | • ' | 1 • 7 | • * | | | | | | - | 1 |
| 5SE | | • | 1. | • | | | | | | | | • | • |
| 5 | • | • | • | 1 • | 1. | • ` | | | | | | | : |
| ssw | • | | 1.7 | 1. | 1.6 | • | • _ | • 1 | | | | | 1 |
| sw | • | | 1. | ٠. | 2.4 | • | 1." | : | | | | 1. | |
| wsw | • | 1. | _ • | | 7 | 1.7 | • 3 | | | | | | 1 |
| w | • | • * | 1.3 | η, · · · · | 1.5 | | | | | | | | . 1 |
| WNW | | 1.4 | • 7 | 1. | 1. | | | | | | | _ · | . 1. |
| NW | | • • | 1.7 | • 3 | • 3 | • : | | | | | • | | 1. |
| NNW | | • | 1.7 | • 3 | | . | <u>•</u> | . | | | | 2. | . 1 |
| VARBL | | Ļ | | | ا د ——— ا | c | | | · | | * | | |
| CALM | >< | >< | >< | >< | $\geq \leq$ | >< | >< | $\geq <$ | $\geq \leq$ | $\geq <$ | · · · · · · · · · · · · · · · · · · · | • | |
| | | | 1'•! | 27.4 | 17.4 | Q . S | 4 | 1. | F | | | | 1 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

MADAL AND THE GOVERNOR DE FAMILIER MENT ACHT CLLE, NO

SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | | | | 4 : ASS | | | | | | MOU#\$ | , |
|-------------------------|-------|--------------|--------------|---|--------------|------------------|----------------|-------------|--|---------------|---------------------------------------|---------------------------------------|-----------------------|
| | _ | | | | | OITION | | | | | | | • |
| | _ | . | | | | | - _ | | | | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 · 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | a _e | MEAN WIND SPEED |
| N | • | ٠. | ٠, | Ī•* | | | - • | | <u>. </u> | | | • | • ; ; |
| NNE | • | ì. | | | • | | ٠. | | | · ·-· - ·-· • | | • | ٠. |
| NE | | | | | | <u>: •</u> . | | | | | | • . | : . |
| ENE | | • | • | · · · | 1. | • | | | | | | • | 1 |
| E | | | • | 1.7 | | | | | | · . | - | | 1. |
| ESE | 1 | • | | | <u>.</u> | ·_`. | | | | | | · • . | 17. |
| SE | | | | , | | · · | | | . | | | | 1 . |
| SSE | • | • | 1. | 1 • 1 | • ' | • . | | | | | | | : 1 |
| S | | 1. | | 1. | ` | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| ssw | • | • | . • | - | | · . | • | | . | | | • . | · · · |
| sw | • | 1 . | , | • • | · · · | <u> </u> | | | | | | <u></u> • . | : . |
| wsw | | • | <u>i.•</u> i | 7. | | 1 | | | | | | • | ' ' |
| w | • | ! • | | <u> </u> | . | 1. | | • · | | | | • | 1 . |
| WNW | • | · | | <u>1• </u> | | | | | | | | · · · . | 1 : 1 |
| NW | | • | • | 1.0 | · | • | | | | | _ | .: • . | 1. |
| NNW | | • | | | <u>•</u> | • | ·· | | | | | • | 1 . |
| VARBL | | | | | · | ب ر⊸ — حج | · | . 2 | 4 | ngm. | | | |
| CALM | >< | >< | >< | >< | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | >< | | | • | |
| | • | · · | 1 . | ا • • ١ | 1 . | 1 | | 1. | | | · · · · · · · · · · · · · · · · · · · | | 1 |

TOTAL NUMBER OF OBSERVATIONS

NA , AL WEATHER BERVIOL CETACHMENT ASHEVILLE, NO

SURFACE V

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | STATIO | | | | , - | | | | | |
|---------------------------------------|-------------------------------------|--------|--------|---------------------------------------|--------------|---------|------------|---------|---------------|---------|--------------|
| | - | | | | | A\$5 | - · | | | | |
| | _ | | | | CONI | DITION | | | - | | |
| SPEED (KNTS) DIR, | 1 . 3 | 4 - 6 | 7 - 10 | 11 - 16 | ; 17 - 21 | 22 - 27 | 28 - 33 | 34 · 40 | 41 - 47 | 48 - 55 | ≥ 56 |
| N | | ∵• | 1. | | | • | | | • | | • |
| NNE | · · · · · · · · · · · · · · · · · · | • | 1 . | | | | | | + | | • |
| NE | | | | | • | | | | | • | • |
| ENE | | • | 1 | 1. | • 7 | • | | | | - | |
| E - | | • | • | 1. | • • | • 7 | | | | | |
| ESE | | | | • | | | | | • | | |
| SF | | • | | · | | | | | • | | |
| SSE | - | | 1. | • | | | | | | | |
| s | + + | | • | • | 1. | -: | • | | – | • | |
| SSW | • : | • | `• ` | 1. 7 | 1 • - | • | • . | | • | | • |
| sw | * | • | 1. | · · · · · · · · · · · · · · · · · · · | | | 1. | | • | | • |
| wsw | | 1. | 1 • • | • | | | | | • | • | • |
| w | • | • | 1. | 6 | 1 • 7 | • | | | • | • | • |
| WNW | | • | • • | 1. | | | • | | | | |
| NW | • | • ` | 1. | | | | | _ | | | |
| NNW | | • | 1. | • | 1. | • 7 | | | | | |
| VARBL | | | | | | | · | | | | _ |
| CALM | >< | >< | >< | | | | | • | | ``~.~?` | ~ |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | • | | | | 1 | · · | · | | | L | T |

TOTAL NUMBER OF OBSERVATIONS

NANAL MEATHER SERVICE OF TACHMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 1, | ,8 | | | | | | · - | | | | | | | • • |
|---------|-------------------------|-------|--------|--------|---------------|---------|---------|---------|---------|----------|---------|------|--------|-----------------------|
| STATION | | ·— | STATIO | NAME | | | | | | YEARS | | | | *** |
| | | | | | | 14.1 | 4 | | | | | | | • |
| | | - | | | | ¢ | LASS | | | | | | HOU #5 | |
| | | _ | | | | CON | DITION | | | | | | | |
| | | | | | | | | | | | | | | |
| | | - | | | | | | | | | | | | |
| | | T | Ţ | | | | | | | 1 | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
| | N | • | • | | • | • ' | :. | • | | | | | ′• | 1 - • 1 |
| | NNE | | • | | • | 1. | • | • | | | | | • | |
| | NE | • | • ' | 1. | ì. | • | | • | | 1 | | | | 11. |
| | ENÉ | | • | • ′ | 2.4 | 1. | | | | | | | | 1 |
| | E | | • | 1. | | `• | | | | + | | | • | 17. |
| | ESE | • | | | 1 • | | | | | | | | 1. | |
| | SE | ii | | | | | • | | | 1 | | | 1. | 1 • 1 |
| | SSE | | • | ١. | • ' | • 1 | | | | · | | | 7. | _10. |
| | S | | | 1. | 7 | • 4 | • | | | · | | | • . | 1 _ • _ ' |
| | ssw | | | • | 7. | 1. | 1. | • 7 | | 1 | | | 1 | 1 • • |
| | sw | | | · . | 7.5 | • | 1. | • | | 1 | | | | 1 |
| | wsw | • | | • | * • - | 7.3 | 7. | | • ` | | | | • 3 | 1 |
| | w | | • | 2 • | 1. | 1.0 | 1. | | | | | | | 1 |
| | WNW | | | 1 • | 1.0 | • 4 | | | | <u> </u> | | | ٠ | 1. |
| | NW | • | 1. | • | 2.7 | 1.7 | • 7 | | | <u>.</u> | | | | 1 . • : |
| | NNW | | . • | | | 1. | • , | | | | | | | 1.4. |
| | VARBL | | | | | | | | | | | | | |
| | CALM | | | | $\overline{}$ | | | | | | | | . • | |

TOTAL NUMBER OF OBSERVATIONS

16.1

<u>.</u> .T

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | _ | | | | | LASS | | | | | | HOURS | |
|-------------------------|----------------|----------------|---------------|----------|----------|---------|-------------|----------|---------------------------------------|--------------|------|-----------------|-----------------------|
| | _ | · | | | COR | DITION | | | | | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | •• | MEAN WIND SPEED |
| N | | 1. | 1. | • | 1. | 1. | | | | | | • | 1 . 3 |
| NNE | | • | 1.7 | 1. | | 1. | | | | * | | * | 1 . |
| NE | | • • | • | · . ? | • | 1. | | | | • | | F | 14.5 |
| ENE | | 2. | • | 1. | | | • 3 | | | • | | | 1 . 5 |
| E | ! | • " | | • | • 3 | | | | | • | | | 17.4 |
| ESE | ! | • | • | 1.7 | • 1 | | | | : | | | | 11.6 |
| SE | | • | 1. | ١. | . 6 | | | • 7 | ! | + | | 1 3 | 13.0 |
| SSE | | 1. | | 1.7 | • 1 | • 7 | . ? | | · | | | 4. | 11.6 |
| 5 | | 1. | 7. | 1.4 | 1.7 | • ' | | | + - | · | | 7.7 | 1., |
| SSW | | | | 1. | 1.4 | 1.7 | 7 | | | • | | | 17.7 |
| SW | | • | 1.7 | ₹.€ | | 1. | • 5 | 7 | | + | | | |
| WSW | | • | 1.7 | • • | • 4 | 2. | • ^ | 3 | | | | 11.7 | 1 |
| w | 1 | • | 7.7 | | 1.7 | • / | 1. | . 7 | | | | | 1 . |
| WNW | ! | | 1. | • | | | | | · · · · · · · · · · · · · · · · · · · | • | | 4.5 | 12.5 |
| NW | | 1. | • | . ? | | | | | | • | | | 11.1 |
| NNW | + | 1. | • | 3•€ | 1.6 | · | | | | + | | | 12.1 |
| VARBL | † - | | | | | | | | | | | * * | |
| | | ~ - | < | <u> </u> | <u> </u> | | | <u> </u> | | · | بعرر | + | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ٠ | 2 : , & | 1.7 € × 1.7 | | ** :: |
|---------|--------------|-------------|-------|-------------|
| STATION | SMAH HOITATS | | YEARS | MONTH |
| | | Lt ATOF | | 17 |
| | | CLASS | | HOURS ILS T |
| | | | | |
| | | CONDITION | | |
| | | | | |
| | | | | |
| | | | | |

| SPEED (XNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 · 47 | 48 - 55 | ≥56 | • | MEAN WIND SPEED |
|-------------------------|-------|--------|---------|---------|---------|---------|---------|--------------|--------------|-------------|-----|--------------|-----------------------|
| N | . 7 | 1. | 1. | 1. | 1.7 | 1.4 | | | ! | | · | * | 1 . 1 |
| NNE | • | 1. | 1. | • . | • 5 | • | • ` | | | | | 7.1 | 13.4 |
| NE | | | • | 1 • ° | • 6 | • | • | | i | | | | 1 : • |
| ENZ | • | | • | 1.5 | | i. | | | | | | ٠, . | 17.5 |
| E | | • | 1. | Ĭ. · · | 1.3 | • 7 | | | | | • | > • · | 12. |
| ESE | | • | • 7 | • ₹ | • 3 | • 7 | | | | | | 1. | 14. |
| SE | • | 1. | | 1.6 | | | | | | | | .`• | 10.4 |
| SSE | • * | 1 • .7 | 1. | 1. | 1. ^ | • 7 | • 7 | | | | | F . 5 | 12.1 |
| \$ | • | 1.3 | . · · · | 1 • 7 | • L. | 1. | • 0 | | | | | | 12.7 |
| ssw | | • 7 | 1.7 | 7.5 | 1.7 | , | • 62 | | • 7 | | | 7 . | 1 . 6 |
| SW | • | • 1 | 1.0 | 7,3 | • 6 | 1.3 | • ' | ! | | | | | 14.6 |
| wsw | • | 1.0 | 1. | 1.7 | 1.5 | 1. | • 5 | | | ! | | 77 | 14. |
| w | • 7 | • % | 1." | 2.6 | • 6 | 1. | 1.0 | ! | . : | ! | | 7. | 17. |
| WNW | • • | 1 • 7 | 1 | • 6 | 1. | . 7 | | • 7 | ! | | | | 11.7 |
| NW | • | 1. | 1.0 | 1. | | | | | | | | | 7.6 |
| WWW | • 4 | 1. | :• 1 | ! • 5 | • 7 | 1. | | | | : | | ٠ | 12.3 |
| VARBL | | | | | | | | | [| | | | |
| CALM | >< | >< | >< | >< | >< | >< | >< | | | | | • | |
| | . 1 | | 1 | 30.0 | 12.6 | 10.7 | 4.5 | . 3 | • 5 | | | 1 7 0 . 7 | 1 1 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| STATION STATION NAME YEARS #C | |
|-------------------------------|-------|
| OIR INFO | HTH |
| THE STATES | |
| CLASS HOURS | ILS T |
| | |
| CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------|--------------|--------|-------------|------------------|---------|-------------|---------|----------|---------|-------------|-------|-----------------------|
| N | • 1 | 1. | • | . 7 | 1.6 | | | | | | | 7 • | 1 1. |
| NNE | | • | 1. | ે. ₹ | • 5 | • 7 | | | | | | • | 12.6 |
| NE | • | | 1. | 1 • • | 1.7 | | • 7 | | | | | iė " | 14.5 |
| ENE | • | • 7 | : • | 1.7 | | _ • ' | • 1 | | | | | | 1 |
| E | | <u>i</u> • * | • | 1 • : | • [£] , | • ' | | • 7 | | | | 4.5 | 17. |
| ESE | | | • | 1.3 | • 7 | | | | | | | 7.3 | 12. |
| SE | 1 | • | | . 7 | • 6 | | | | | | | 1.5 | 10.0 |
| SSE | • | • | 1. | • 6 | | • *\ | • 1 | | | | | | 11. |
| S | • | | i • | • (| ٠ ٦ | 1 • ′ | 7 | | | | | 1 | ء <u>.</u> . |
| SSW | • | • | 1 • | 7 و ٦ | | | | | | | | 7. | 1 . • . |
| sw | • | 1.7 | ∵•' | 7.0 | 1.6 | ?.7 | • * | • 3 | • 5 | | | 13. | 1 = • |
| wsw | 1. | • | • • | 1. | 1.7 | 1.6 | . 5 | | • | | | 7.1 | 17.4 |
| w | 1.0 | | ! • ' | 7 • 5 | | 2.7 | . 7 | | | | | | 13. |
| WNW | • | 1.3 | 1.0 | • f | 1.0 | | , | | | | | 4. | 1 . |
| NW | | 1. | . 7 | • 1 | • 3 | | | | | | | 7 . 7 | |
| NNW | | • | 1.^ | 1 • G | • 5 | 1 • 2 | | | | · + | | | 1 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | $\geq \leq$ | $\geq \leq$ | >< | $\geq \leq$ | >< | $\geq <$ | | $\geq \leq$ | | |
| | ۴. | 14. | 17.1 | , , , , | 14. | 11. | 7. | • 1 | • (| | | 1.00 | 17. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | · · · · · · · · · · · · · · · · · · · | - |
|---------|--------------|---------------------------------------|-----------|
| S"ATION | STATION HAME | YEARS | #OnTH |
| | | SEE WEATHER | :(: |
| | | CLASS | HOURE LST |
| | | | |
| | | CONDITION | |
| | | | |

| SPEED (KNTS) DIR. | 1.3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 · 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------------------|-------|--------|---------|------------|---------|-------------|---------|---------|---------|------|-------|-----------------------|
| N | • " | 1. | 1.* | ٦,- | 1.7 | 1. | • • | | | | | 7. | 1 |
| NNE | • ` | • • | : • | 2 . 4 | • 1 | • | • ? | | | | | | 17.5 |
| NE | • | • • | • " | 1 • ° | | | • 7 | | | | | 4 . 1 | 14.7 |
| ENE | • ` | • | • | | 1.1 | • | • 1 | | | | | 4. | 1 - • . |
| E | • 1 | • | 1. | 1. | • 6 | • ີ | • ' | • | | | | ٠. | 1. • 1 |
| ESE | • 1 | • 7 | • * | • 4. | • 0 | • 1 | | | | | | | 12.1 |
| SE | • | • ! | • ₹ | • ^ | <u>.</u> 4 | • 1 | | • 7 | | | | • | 1 |
| SSE | • | • 1 | 1 | • * | • 4 | • 4 | •1 | | | | | 7.7 | |
| S | • | 1.1 | ?• | 1.7 | 1.7 | • | • 7 | | | | | 7 • | 12.3 |
| ssw | | • 1 | 1 • | ٠, د | 1.7 | ۱ . | | | • | | | | 14. |
| sw | • 1. | • | 1. | 5.7 | ₹.5 | 1.7 | 1. | • ? | • | | | 10. | 16. |
| wsw | • 7 | • | 1 • 1 | 7.0 | 1 • * | 1. | . 4 | | • 1 | | | • 1 | 19.4 |
| w | • | • ' | | 2.5 | 1 • 4 | 1 • " | • 5 | • 1 | • ` | | | 9.1 | 1:.7 |
| WNW | • | 1. | 1.5 | 1.5 | ٠ • د | | • 7 | | | | | 4 | 12. |
| NW | _ ₹ | • 4 | | 1 • 1 | • ? | • ` | • - | | | | | 7. | 1 • 7 |
| NNW | • | • | 1. | 1. | • 9 | • | • : | | | | | • | 1 7 • |
| VARBL | | | | | | | | | | L | | | |
| CALM | $\supset \subset$ | >< | > < | >< | >< | >< | $\geq \leq$ | >< | >< | | | L., | |
| | • | 11. | 18.7 | 30.1 | 1 - • 1 | 10.5 | 4.2 | . 7 | • ? | i ! | | 1 2. | : : |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | ATA , AF | | 7 7 | | * £ |
|---------|----------|--------------|-------------------|-------|--------------|
| STATION | | STATION HAME | | YEARS | MONTH |
| | | | 31ELL 1921年1778日7 | | • 1 |
| | | | CLASS | | HOURS (L S T |
| | | | | | |
| | | | CORDITION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------------------|-----------------------|
| N | 1. | 1.5 | 7.7 | • 7 | | • | | | | | | 7. | 7. |
| NNE | | • | 1. | 1.1 | 1. | • 7 | • 7 | | | | | • | 11. |
| NE | | _ • | 1. | ` | • 3 | | | | | | | | • |
| ENE | | • | • 1 | • ? | , , | | | | | | | 1. | 14. |
| E | • ` | • 7 | • 7 | • • | | • | | | | | | • — | |
| ESE | • | | • - | 1. | | • ` | | | | | | • | 11. |
| SE | • | 1. | • ' | 1.7 | | | | | | | | 3. | • |
| SSE | • - | • 2 | | . 7 | . 7 | | • 3 | | [| | | | 12.0 |
| S | • - | • " | 2. | 7 | 1. | • 7 | • 3 | | | | | - | 1 3 . |
| SSW | • 7 | • | • ` | 7 و 1 | . 7 | 1.7 | | | | | | 1.7 | 1 . |
| sw | . • | 1. | 1. | 4 . | ?.7 | 1. | • 3 | | | | | 1. | 14. |
| wsw | | 1. | 1. | 7 . 7 | 1.7 | 1.7 | • 7 | | | | | | 14. |
| w | • | 1. | | 7.7 | • 1 | 1. | | • 7 | | | | | 11. |
| WNW | • | 1. | • 1 | , - | . ? | ٠ ٦ | | | | | | | 1.7. |
| NW | | • ' | | 1 . 7 | • • | | .7 | | | | | • | 12. |
| NNW | • | 1. | 1 • " | 1.5 | . 7 | | • | | | : | | | !1. |
| VARBL | | | | 7 | | | | | | | | · · · | |
| CALM | >< | > < | >< | >< | >< | >< | >< | >< | >< | >< | >< | • | |
| - | , | 17.7 | | 27.3 | 11.7 | 7.7 | 7 | . 7 | • | | | 1 | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| · 42 | 4.74 | $f : \mathcal{T} \to \mathcal{T}_{+}$ | ☆ € |
|---------|--------------|---------------------------------------|--------------|
| STATION | STATION NAME | Y | EARS #ONTH |
| | | ILL HATHE" | · 6. |
| | | CLASS | HOURS .L S T |
| | | | |
| | | CONDITION | |
| | | | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|----------|---------|---------|-------------|----------|---|-----------------------|
| N | ! • * | 1 | | 1.7 | | 1. | • 7 | | | | - | • | 1 . |
| NNE | • | • ` | • 7 | . 7 | • 7 | • * | | | | • | | | 10. |
| NE | | • ' | 1. | • 7 | • 3 | • 7 | | | | | | • | 11. |
| ENE | | | 1. | 1 . 7 | | | | | | | | • | _ • |
| E | | i • * | • 7 | 1 . 7 | | | • • | | | | | · · · · · · · · · · · · · · · · · · · | 11. |
| ESE | • ? | • 7 | - | • ' | | | | | | | | 1. | 7. |
| SE | | • '7 | | 1.0 | | • 7 | | | | | | • 7 | 1 . • |
| SSE | | • 7 | • | 1. | | | • 1 | | | | | | 17. |
| \$ | 1 | • 7 | • 7 | 3 | • 1 | • 7 | | | | | | € • 7 | 1 |
| SSW | • 7 | • 7 | • 7 | 1. | • 7 | • 7 | | | | | | 3.0 | 11. |
| 5W | • 7 | 1.7 | 7. | 7.7 | 1. | ?•" | 1. | • 3 | | ! | | 17. | 15. |
| wsw | . 7 | 1.7 | · • | 3.7 | ** 3 | • 7 | | | | | | 11.7 | 1 |
| w | • ' | 1. | 1. | 7.7 | • 7 | 1. | | | | <u> </u> | | • | 11. |
| WNW | | 1. | • | 2.7 | • ? | • ? | • 3 | • 7 | | | | | |
| NW | | 1. | • " | | 1.7 | 1. | | | | | | li e | 1 / • ! |
| NNW | | 1. | 1.7 | 7. | . 3 | | | | | | | 5. | 1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | >< | >< | >< | >< | >< | $\geq <$ | | | | $\geq <$ | : • 7 | |
| | | 17.7 | 10.3 | 27.0 | ٠,٠ | o | ?.7 | 1. | | | | 1 0.1 | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | , A | | | | | | | | | | | | |
|---------|-------------------------|-------------|--------|-------------|---------|---------|---------|---------|---------|--------------|---------------|--------------|-------------|---------------------------------|
| STATION | | | STATIO | N HAME | | | | | | YEARS | | | | ONTH |
| | | | | | | MLL - | MIZE | | | | | | | - |
| | | _ | , | | | C | LASS | | | | | | HOURS | F-LST |
| | | _ | | | | | | | | | | | | |
| | | _ | | | | | ROITIGN | | | | | | | |
| | | | | | • | | | | | | | | · · · · · | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
| | N | • | • / | 7. | 1.7 | 1. 7 | • 7 | • 7 | | <u> </u> | | | | 11. |
| | NNE | | | 1. | • 7 | • 7 | | | | | | | | |
| | NE | | | :. | | | | | | | * | | 1. | 1 . |
| | ENE | • 7 | | ٠. | 1. | . 7 | | | | | | | 7. | |
| | E | | • | | 1.7 | .7 | | • | | | + | · · — | | 1 . |
| | ESE | | • ` | | • 7 | • | | | | - | • | | 1. | • |
| | SE | | • | • | . 7 | , , | | • | | ! | | | | • |
| | SSE | | • | | 1. | | • | | | - | • | | • | 1.7 |
| | S | • | 1. | | 7. | 1. | • ' | • ' | | • | • | | 7. | 1. |
| | 55W | • | | 1. | 2.1 | 1 • 7 | | • 7 | | 1 | | | | 1 |
| | sw | • | 1. | • ' | | 7.7 | Ξ. | . 7. | | <u> </u> | • | | 1. | |
| | wsw | 1. | `• | ~ , | | ?.₹ | 1. | 1. | | | | • | 1 | $\overline{1}^{-}$ |
| | w | • | 1." | 7. | .2. | 1.3 | 1. | • 3 | | | * | • | | 17. |
| | WNW | | 1. | • | 1 | . 7 | | | . 7 | | + | • | | 1: • 5 |
| | NW | | | 1. | 1. | 1.7 | • - | | | | • | | * | 1 . |
| | иим | | | ٦. | 1.7 | 1.3 | : | • 7 | | | • | · | | $\overline{1}$. $\overline{1}$ |
| | VARBL | | | | | | | | | 1 | | | | |
| | CALM | | | | | | | | | | | | • | |
| | | | | | | | \leq | | \leq | | $\overline{}$ | | · | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| • 4 | A p. 4 | 17 - 1 | 2.4 |
|---------|--------------|---------------|-------------|
| STATION | STATION HAME | YEARS | HONTH |
| | | "在是一次作品等研究"。 | 100 |
| | | CLASS | HOURS ILS T |
| | | | |
| | | COMDITION | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 26 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|-------------|---------|-------------|----------------|------|---------|-----------------------|
| N | • | 1.7 | | 1 7 | | 1. | | | | | | 1. | 11 |
| NNE | • | 1. | • ' | • 7 | • 7 | | | | | | | - | . 4. |
| NE | | | 3 • | • 7 | i | | | | | | | | 11.1 |
| ENE | • | | • | 1.7 | | | | | i | | | • |] |
| E | | 1. | | • ' | | | | | | | | | 17.1 |
| ESE | • 1 | • ~ | • ` | • | •] | | | | · | | | 7. | • |
| SE | | • ` | 1. | 1.7 | 1. | | | | | | | ч | 11. |
| SSE | • | • '' | 7. | 1. | | | | | | | | . , | • |
| \$ | | | 4 € | 7. | | • 7 | | • ' | : | | , | | 12.9 |
| SSW | • | •] | 1.7 | 1. | 1. | 1. | | • • | | | | • | 11.6 |
| sw | | | • | 1 . | 1.3 | ?•7 | | | | | | • 7 | 17.3 |
| wsw | | • | | и | i • 7 | 2. | | | | | | 1 • 7 | 14.7 |
| w | • | 1.7 | 2. | 5.7 | | 1. | • 7 | | | | | 11. | 1 • 1 |
| WNW | | | 1. | ~ · · | 1.7 | | | | | | | 5.7 | 15.5 |
| NW | • ' | • | ¹ • ^` | 1.7 | • 7 | | | | | | | • | 1 7 - 7 |
| NNW | | • | | 7.7 | • 3 | • ? | • | | | | | | 1 |
| VARBL | | | | | I | | | L | | | | | · |
| CALM | >< | >< | >< | >< | | | $\geq \leq$ | | $\geq \leq$ | | | | |
| | 72. | 7 | 2 | 73.3 | 17.7 | . , | 1.3 | 1.3 | | • - | | 1 1 5 . | 10.0 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| STATION | | | STATIO | - | | | | | | YEARS | | | • | CRTH |
|---------|-----------------|--------------|-------------|--------|----------------|---------|---------------------------------------|---|---------|-------------|--------------|------------|---|----------------------|
| | | _ | | | | | ASS | | | | | | FT -1.27.2.2 | |
| | | | | | | C | . 453 | | | | | | HOJAS | 5 - <u>5 - 5</u> - 7 |
| | | _ | | | | CON | DITION | | | | | | | |
| ļ | SPEED (KNTS) | 1 1 - 3 | 4 - 6 | 7 - 10 | . 11 - 16 | 17 - 21 | 22 - 27 | 28 33 | 34 - 40 | , 41 - 47 | 48 55 | <u></u> | ٩, | MEAN WIND |
| ļ | DIR. | 1 | | | | | ! | | | | | | | SPEED |
| [| N | l | • | • | • | | | | | · | | | | 11. |
| (| NNE | I. | | • | | • 7 | • <u>·</u> | | | | | | • | 1 • |
| | NE | | | 1. | 1. | 1 • 1 | | | | | | | • | |
| | ENE | 1 | | • | | • | | | | | | | | 1 . |
| | E | | 1. | 1. | . 3 | | • | | | • | • | | • | |
| 1 | ESE | 11 | | | | | | | | * | | | • | • |
| Ì | SE | • | • | • | 1.7 | • 1 | | | | • | | | | |
| 1 | SSE | | • | | 1. | • | • | | | + | | - • • | , | 11 |
| | 5 | # | • | • | 7 | • ? | | | | • | | | | 1.5. |
| | ssw | 1 | | • | 7, | | 1. | | | • | • | | | 1 • |
| Ì | SW | 1 | | 1. | . . | 1. | - | • | | • | - | • | • | 1 |
| i | wsw | 1 | | | 7 | | | | | | ****** | | • , | • |
| | w | | 1. | | | • | | | | | • - | | · | 1 |
| Î | WNW | | | | | | • , | | | | • | | · · · · · · · · · · · · · · · · · · · | 1 |
| 1 | NW | | • | | | | , | | | ÷ | • | | | 1 |
| | MMM | | | - | | · | | | | | • • • • • • | • | | 1:• |
| ĺ | VARBL | † | | | | | · · · · · · · · · · · · · · · · · · · | | | • | • | . • | •- ··· <u> </u> | |
| | CALM | | | | | | | | | | | <u>^</u> \ | | — |

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

SURFACE WINDS

NAIALAEAGER COLL. LETELETEN ASSELLENTEN

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS ILS T SPEED (KNTS) DIR. MEAN WIND SPEED 11 - 16 1 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 4 - 6 7 - 10 NNE NE ENE E ESE SE SSE 5 \$5<u>₩</u> sw WSW w WNW NW NNW VARBL

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER TERVICE OF TALEMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | | | | DITION | | · · · · · · · · · · · · · · · · · · · | - | _ | | | |
|-------------------------|----------|-------|--------|-------------------------------------|------------|----------------|------------|---------------------------------------|--------------|---------|---|----------------|--------------------|
| | _ | | | | | DITION | | | | | | | |
| | , | | , | | | | | | | | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | a _e | MEA WIN SPEE |
| N | | 1. | • | | | • | • * | | | | | • | 1. |
| NNE | • | • ' | • | • | 1. | • ` | | • | | | | · • | ٠,٠ |
| NE | | | • | | | | | | | | | • | 1 |
| ENE | . • | · • | 1. | | | • | | | | | - | • | |
| E | | | | 1. | • . | | – | | | | • | - · | |
| ESE | | ١. | • | • 7 | | | | | | | | | |
| SE | | • | | . • - | • 7 | | | | | | | | |
| SSE | | | : • | | | | | | | | | | |
| S | | • | • | , , | 1. | • | | | | | | | |
| ssw | | | | | | | | | | | | • 1 | : |
| 5W | <u> </u> | | | • • | <u>``•</u> | | | | . | | | | . ! |
| wsw | • | | | | <u> </u> | 1. | | | | | | | . : |
| <u>w</u> | • 1 | 1. | | | | | • | | | | | _ • | . : |
| WNW | | | | | | | <u>.</u> • | | | | | | |
| NW | ! → | • | | <u>1 • _</u> | | | | | | | | _ • | . :: |
| NNW | • | i • | 1. | · · · · · · · · · · · · · · · · · · | | : | · - · | | | | | • ' | . : |
| VARBL | L | | | | | · | | | | | | | |
| CALM | | | | · | | `` > | `` | | ``\ ` | | | `• | |

TOTAL NUMBER OF OBSERVATIONS

MANAL WEATHER GENNER THETACHTENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENC® OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

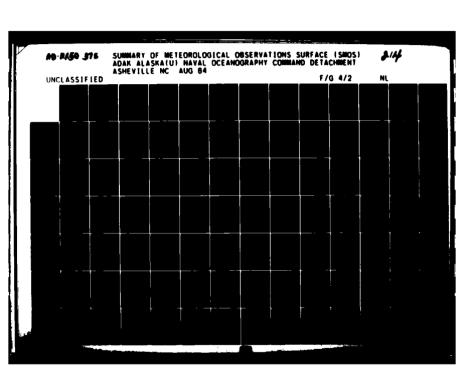
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | à | | MEAN MIND SPEED |
|-------------------------|-------|-------|--------|-------------|------------|---------|---|---------|----------|---------------------|------|-----|---|-----------------------|
| И | • | `• | • | 1 | 1. | • : | | · | | | | | , | 11. |
| NNE | • | • | • | · · | • | | • | | | | | | | 1 . |
| I+E | • | • | • | :• | | • | • | | ~ | | | | | • |
| ENE | | 1. | • | • | | | • | | | - · -—— | | - | | |
| E | • | • | • | 1.7 | | | | | • | | | | | ٠. |
| ESE | • | | • | | | | | | | | _ | | | |
| SE | | • | • | T | | • | | | • | -* | | | | · . |
| SSE | • | | • | 1. | | | • | | | • | | " | | 1. |
| 5 | • | | | | | | • | | | • | | · . | | ٠. |
| SSW . | • , | • | , . | | | • | • • | | • | • | | - 1 | | |
| sw | • | • | • | • | | 1. | | • | • | • | | | | |
| wsw | • | - | | · · · | | -,-,- | • | | | • | | | | : . |
| w | • | 1. | • 1 | 1.7 | 1.7 | | • | | | | | | | · |
| WNW | • | • | | • | | • | | | • | | | | | |
| NW | • | . • | 1. | ? | | | • | | • | • | | | | • : • |
| NNW | . • | | • | · · · · · · | , ; ; | | | | <i>-</i> | | | | • | , |
| VARBL | | | | | | | | | • | • | | • | • | |
| CALM | | | | <u>~</u> | ್ಟ್ನಿ ಚಿತ್ | S. J * | · | `~~ | • | ٠ <u>٠ تا تا تا</u> | | | | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

- + C* 40,





MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS ONES &

13.

II 3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 57.7.4 | ADA+, A× | 77-6 | apr |
|---------|--------------|-------------|----------------|
| STATION | STATION NAME | YEARS | HTHOM |
| | | CLL VENTHER | ALL |
| | | CLASS | HOURS (L S T · |
| | | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|-------|-------|----------|---------|----------|----------|---------|---------|---------|---------|------|-------|-----------------------|
| Z | • 7 | 1.5 | ₹. | 2.7 | 1.1 | • (| • ? | | | | | 9.0 | 11.7 |
| NNE | . 3 | • 1 | 1.7 | 1.6 | .7 | 7 | • 3 | • 7 | | | | 5.7 | 12.4 |
| NE | • 5 | . 7 | 1.2 | • 7 | • 4 | • 1 | • ^ | | | | | 7.0 | 11.2 |
| ENE | • 3 | • 7 | 1.5 | 1.7 | • 7 | • 1 | | | | | _ | 3 | ი.6 |
| E | • 7 | • 3 | • 3 | 1.0 | • 2 | • 1 | • | | | | | 3.4 | 9.9 |
| ESE | • ` | • 5 | - 6 | ۸. | • 1 | ٠, | | | | | | 2.1 | ۹.9 |
| SE | • 1 | • * | • 6 | 1.2 | . 5 | • 1 | • ** | | | | | 3 • 1 | 12.1 |
| SSE | • | • 6 | 1.7 | 1.2 | • 3 | • 1 | • 1 | • 7 | | | | 3 • 7 | 12.0 |
| \$ | - 3 | • ? | 7•^ | 2.5 | ۹. | . 6 | ? | | | | | 7.1 | 12.9 |
| SSW | • 3 | • 3 | 1.0 | 1.8 | • 9 | • 7 | • 2 | • 1 | | | | 5.7 | 14.5 |
| sw | • 4 | • 9 | 1.7 | 3.5 | 1.8 | 1.5 | .4 | 1 | ٠, | | | 10.5 | 15.1 |
| wsw | • 4 | 1.1 | 1.7 | 3.5 | 2.5 | 1.3 | . 4 | .0 | | | | 11. | 14.5 |
| _w | - | 1.3 | 2.4 | 3.1 | 1.6 | • 9 | . 3 | • 1 | • | | | 10.2 | 13.5 |
| WNW | | ۶. | 1.4 | 2.6 | •6 | • 4 | •1 | 3 | • 1 | | | €.7 | 14.4 |
| NW | • 1 | • 7 | 1.1 | 1.6 | . 7 | • 4 | • 2 | • 0 | | | | 4.5 | 13.1 |
| NNW | • ? | • 7 | 1.3 | 1.8 | • 3 | • 3 | •? | | | | | 5.7 | 12.2 |
| VARSL | | | | | | | | | 1. | | | | |
| CALM | >< | \ge | \times | > < | \times | \times | > < | >< | > | \ge | >> | 4.5 | |
| | 4.7 | | 23.6 | 30.4 | 1:.3 | 7.4 | 2.6 | .9 | • 2 | • • | • 8 | 100.0 | 12.4 |

TOTAL NUMBER OF OBSERVATIONS

2400

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 20014 | ADAY, AH | 73-92 | AVA |
|---------|--------------|-------------|-------------|
| STATION | STATION NAME | | YEARS MONTH |
| | | ALL WEATHER | _ 01 |
| | | CLASS | HOURS ILS T |
| | | | |

| SPEED (KNTS) DIR. | 7.3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | * | MEAN WIND SPEED |
|-------------------------|------|-------|--------|----------|------------|----------|----------|---------|----------|----------|----------|-------|-----------------------|
| N | 1.7 | 7 • ر | 3.3 | 3.5 | 1.0 | • 3 | | | | | | 11.3 | 3.8 |
| NNE | 1.0 | 1.0 | 1.3 | 1.3 | | • 6 | | | | | | 6.1 | 3 • ∁ |
| NE | | 1.3 | 1.7 | 1.7 | | • 7 | | | | | | 3.5 | 3.3 |
| ENE | • 3 | • 6 | • 3 | • 3 | • 6 | • 2 | | | | | | 2 • 1 | 11.2 |
| E | • 7 | 1.3 | • 6 | 1.6 | | | | | | | | 3.9 | ۹ . 9 |
| ESE | • 5 | • 6 | 4 | | | | | | | | | 1.5 | ٠. ٤ |
| SE | • 3 | • 6 | • 6 | • 3 | | | | | | |] | 1.9 | 5.7 |
| SSE | • 3 | 1.7 | | 1.0 | a 3 | | • 7 | | | | | 2.0 | 11.0 |
| \$ | 1.0 | 1. | 2.3 | •6 | • 3 | | | | | | | E • * | 7.7 |
| SSW | • 7 | • ? | 1.0 | 1.0 | .6 | | | • 3 | | | | 3. | 13.3 |
| SW | 1.0 | 1.0 | 3.5 | 1.3 | 1.3 | • 4 | | | | | | 8.7 | 10.7 |
| wsw | 1.5 | • 4 | 2.0 | 3.5 | 1.7 | 1.~ | 1.7 | | | | | 11.5 | 13.6 |
| w | 1.0 | 1.0 | 3.5 | 5.2 | 1.0 | • t | • 3 | •6 | | | | 13.0 | 12.7 |
| WNW | • ? | 1.0 | 1.~ | 1.9 | | | | | | | | 4.7 | 9.5 |
| NW | | 1.3 | 1.3 | 1.^ | • 3 | • ? | | | | | | 4.7 | 13.9 |
| NNW | • 5 | • 3 | 1. | 2•€ | • 6 | • 6 | | | | | | 5 • : | 12.5 |
| VARBL | | | | | | | | .— | | | | | |
| CALM | >< | > < | > < | $>\!\!<$ | >< | \times | \times | > < | $>\!\!<$ | \times | \times | ε.7 | |
| | 10.7 | 16.1 | 24.7 | 26.1 | 7.4 | 4.8 | 1.6 | 1.0 | | | | 1 0. | 9.9 |

TOTAL NUMBER OF OBSERVATIONS

G.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . 4 | ATA4, AF | 73-02 | ~ 4 ¥ |
|---------|--------------|-------------|--------------|
| STATION | SMAN HONTARS | YEARS | MONTH |
| | | ALL WEATHER | 74 |
| | | ELAPS | HOURS (L.S.T |
| | | | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 · 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | * | MEAN WIND SPEED |
|-------------------------|----------|----------|--------|---------------|---------------|----------|----------|-------------|-------------|---------|-------------|-------|-----------------------|
| N | 1.7 | 7.0 | 2.3 | 2.3 | 1.7 | • 3 | | | | | | 10.5 | ે • (|
| NNE | 1. | ◆ fs: | 1.6 | 1.6 | • 3 | • 6 | | | | | | 5.3 | 10.9 |
| NE | • 7 | 1.5 | • 7. | | | | | | | | | 2.3 | 4.9 |
| ENE | 1.0 | • * | 1.7 | • 3 | • 3 | • 7 | | | | | | 3.1 | 9. |
| £ | • ₹ | • 4, | 1.3 | •6 | • 3 | | | | | | | 3.7 | 9. |
| ESE | • 7 | • 3 | | • 3 | | | | | | | | 1.5 | 6.7 |
| SE | 1.0 | • 5 | • | • 3 | | • 7 | | | | | | 2.6 | 8.4 |
| SSE | | • 3 | • t | | • 3 | • 3 | | | | | | 1.5 | 13.2 |
| 5 | • 3 | 1.3 | 1.5 | 1.7 | | | | | | | | 4.5 | გ.,4 |
| SSW | • 0 | • (| 1.9 | 1.3 | . 3 | | | | | | | 4 . 3 | 7.4 |
| SW | • 3 | 1. | 2.3 | 2.9 | 1.6 | • 3 | •6 | | | | | 10. | 12.7 |
| wsw | 1.6 | 1. ^ | 2.7 | 2.3 | 1.6 | • 6 | 1.3 | | | | | 10.4 | 13.2 |
| w | - 5 | 2.5 | 2.6 | 3.2 | 2.6 | • 6 | • 3 | • 3 | | | | 12.7 | 12.6 |
| WNW | 1.7 | • *. | 1.7 | 1.9 | • 3 | | | | | | | 5. | 7. |
| NW | • (- | 1.7 | 1.3 | 2.3 | | | | | | | | 5.5 | 3.1 |
| NNW | 1.7 | 1.7 | 1. | 1.9 | 1.7 | . 6 | | | | | | ا ف | 11.7 |
| VARBL | | | | |] | | | | | | | | |
| CALM | \times | $>\!\!<$ | >< | $>\!\!<\!\!<$ | $>\!\!<\!\!<$ | $>\!\!<$ | $>\!\!<$ | $\geq \leq$ | $\geq \leq$ | \geq | $\geq \leq$ | c. | |
| | 11. | 19.0 | 21.7 | 22.3 | 10.0 | 4.7 | 2 • 3 | . 3 | | | | 1-0. | 7. |

OTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| Str. 4 | 4 ~ 4 , A> | 73 - 5) | YA W |
|---------|--------------|---------------------|---------------|
| HOITATE | STATION HAME | YEARS | MONTH |
| | | TELL OF ATMEN | 3 7 |
| | | CLANS | HOURS (L.S.T. |
| | | | |
| | | COMBITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|----------|-------|--------|---------|---------|---------|---------|-------------|---------|---------|------|--------|-----------------------|
| N | • | 1.5 | 2.0 | 1.6 | •6 | • 3 | | | | | | 7 . 14 | 10.0 |
| NNE | 1. | 1.9 | 1.0 | 1.6 | • 3 | • € | • 3 | | | 1 | | .4 | 7.5 |
| NE | • " | | | ٠ć | • 3 | | | | | | | 1.c | € 4 |
| ENE | | 1.7 | 1.0 | 1.7 | • 3 | | | | | | | 4.5 | 7.1 |
| E | 1 • ? | 1.3 | 1.3 | . 3 | | | | | | | | 4. | 6.1 |
| ESE | | • 7 | • ? | •6 | | | | | | | | 1.7 | 10.5 |
| SE | • 3 | | . 7 | | . ₹ | | | | | | | 1. | 10.7 |
| 352 | • 3 | • 6 | • ′ | | • 7 | | | | | | | 1.5 | · • ^ |
| S | 1.0 | 1.0 | ?.7 | 1.7 | • 3 | • 3 | | | | | | 6. | 10.7 |
| SSW | • (| 1 • ^ | 1.0 | 1.0 | | • * | | | | | | : • 5 | ء ۾ |
| SW | 1 • | 2.3 | 1.1 | 1.6 | 1.3 | • t | | •6 | | | | 9.4 | 12.3 |
| WSW | • 3 | • 5 | 7.4 | 3 • 2 | 1.7 | 1.7 | | | | | | 0.7 | 13.1 |
| w | 1." | 1.0 | 3.2 | 4.5 | 1.3 | 1.7 | • 3 | •6 | | | | 13. | 14. |
| WNW | • € | • 4 | 1.7 | 1.9 | • 3 | • ? | • 3 | | | | | 5. | 12.5 |
| NW | | 1.7 | 1.7 | • 4. | . 3 | | | | | | | 7.0 | 7 |
| NHW | 1.0 | | 2.3 | 2.0 | 1.6 | | | | | | | | 1 . 8 |
| VARBL | | | | | | | | | | | | | |
| CALM | $\geq <$ | >< | >< | >< | >< | > | >< | $\geq \leq$ | >< | | >< | 5 • 1 | |
| | 10.5 | 15. | 2 | 27.0 | 9.4 | 4. | 1.7 | 1.7 | | | | 1 0 | 1: •1 |

TOTAL NUMBER OF OBSERVATIONS

111

G. .

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 25 814 | ATAK, AK | 73+02 | YAY |
|---------|--------------|-------------|---------------|
| HOITATE | STATION HAME | YEARS | MONTH |
| | | ALL MEATHER | 10 |
| | | CLASS | HOURS (L.S.T. |
| | | | |
| | | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | * | MEAN WIND SPEED |
|-------------------------|------------|----------|----------|----------|----------|----------|---------|----------|-------------|-------------|-------------|-----------|-----------------------|
| N | | 1.7 | 3.0 | 4.8 | 1.0 | • 3 | | | | | | 11.0 | 11.6 |
| NNE | | 1.6 | 2.3 | 1.9 | . 3 | • 3 | | • 3 | | Ī | | 7.1 | 11.2 |
| ME | | | • 6 | 1.0 | • 3 | | | | | | | 2.3 | 11.3 |
| ENE | | 2.3 | 3.2 | •6 | .6 | | | | | | | 6.3 | 8.5 |
| E | • 7 | 7.5 | 1.7 | • 3 | | | | | | | | 5.2 | 5.7 |
| ESE | • 3 | 1.3 | • 6 | | | | | | | | | 2.3 | 5.9 |
| SE | • 3 | • 3 | • 5 | •€ | | | | | | | | 1.5 | 8.2 |
| SSE | | • 7 | • 3 | | | | | | | | | • 6 | 6.5 |
| \$ | | 1.0 | 2.6 | 1.9 | • 5 | | | | | | | 6 • 1 | 10.7 |
| 35W | | _ 3 | 1.7 | 1.0 | • 3 | • 6 | • 3 | | | | | 7. 14. | 14.4 |
| SW | - 3 | | 1.5 | 3.0 | • 6 | 1.^ | • 3 | | | <u> </u> | | 7.4 | 14.3 |
| WSW | • t | | 2.3 | 5.9 | 2.9 | 1.6 | _ •6 | | | | | 11.5 | 15.0 |
| w | | 1.4 | 2.9 | 5 • 9 | 1.9 | 1.9 | 1.6 | | | | | 15.8 | 15.5 |
| WNW | • 3 | 1.0 | 1.^ | 2.3 | • 3 | | | | | | | 5 • 8 | 9.4 |
| NW | | 1. 7 | 2.6 | 1.0 | 1.0 | | | | | | | 6 • 5 | 11.1 |
| MMM | | | 1.6 | 1.9 | 1.7 | | | | | | | 4.5 | 13.0 |
| YARBL | | | | | | | | | | | | | |
| CALM | \searrow | $>\!\!<$ | $>\!\!<$ | $>\!\!<$ | $>\!\!<$ | \times | >< | $>\!\!<$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | 1.5 | |
| | 7.5 | 16.5 | 20.1 | 31.3 | 11.0 | 5.0 | 2.9 | • 3 | | | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS

310

G. .

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 25714 | STAT AL | | 13-83 | | 4 & ¥ |
|---------|---------|--------------|-------------|-------|----------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | ALL WEATHER | | 13 |
| | , – | | CLASS | | HOURS (L.S.T.) |
| | _ | | | | |
| | _ | | COMDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | * | MEAN WIND SPEED |
|-------------------------|----------|----------|--------------|----------|----------|----------|----------|----------|---------|-------------|-------------|-------|-----------------------|
| N | | • ₹ | 2.0 | 5.2 | 1.6 | • 7 | • 3 | | | | | 11.7 | 13.9 |
| NNE | | • ÷ | 1.3 | 2 • ? | 1.6 | | | | | | | 5. | 12.3 |
| NE | | • 6 | • 4. | 1.7 | • 3 | | | | | | | 3 • 4 | |
| ENE | • 3 | 1.7 | 3.6 | 1.9 | • 3 | • 7 | | | | | | 0.4 | 6.7 |
| E | • 5 | 2.3 | 2 • 3 | • 3 | | | | | | | | 5.7 | 5.3 |
| ESE | | 1.9 | • 4 | | | | | | | | | | £ • ~ |
| SE | • ? | 1.6 | | • 3 | • 3 | | | | | | | 2.9 | 7.2 |
| SSE | • 7 | • 3 | 1.6 | 1.7 | | | | | | | | 3.6 | 9.2 |
| \$ | • 7 | 1.3 | 1.9 | 1.0 | • 6 | • 3 | • 3 | | | | | 6 | 11. |
| SSW | 1 | | • * | 1.6 | 1.5 | | • 3 | | | | | 7.5 | 15.2 |
| sw | | • ? | 1.^ | 2.3 | 1.3 | 1. | • 3 | • 6 | | | | 6. | 13.1 |
| wsw | | • 7 | 1.0 | 3.9 | 1.6 | 1.3 | | | | | | 5 • 0 | 14.5 |
| w | | • 5 | 3.9 | 4.0 | 2.6 | 2.9 | 1.0 | . 3 | | | | 16.7 | 16. |
| WNW | | • 7 | 1.5 | 2.3 | 1.0 | | | | | | | 5.0 | 11.5 |
| NW | | | • 6 | 1.9 | . 6 | • 5 | | | | | | 3. | 15.3 |
| NNW | | | 1.7 | 1.9 | 1.0 | | | | | | | 4 | 14. |
| VARBL | | | | | | | | | | | | | |
| CALM | \times | \times | \mathbb{X} | $>\!\!<$ | $>\!\!<$ | \times | $>\!\!<$ | \times | \ge | $\geq \leq$ | $\geq \leq$ | • ' | |
| | 1.0 | 12.7 | 26. | 35.1 | 14.0 | 6. ' | 2.3 | 1.0 | | | | 1 0. | 17.0 |

TOTAL NUMBER OF OBSERVATIONS

100

G. .

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 25.7 4 | ATA: AR | 73=00 | M A V |
|---------|--------------|-------------|----------------|
| STATION | STATION NAME | YEARS | MONTH |
| | | ALL MEATHER | 16 |
| | | CLASS | HOURE (L S T : |
| | | | |
| | | CORDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|-------|----------|--------|---------|---------|---------|---------|---------|---------|---------|------|--------|-----------------------|
| N | • | 1.1 | 2 • ٩ | 6.5 | 2.5 | • 7 | • 5, | | | | | 10. | 1 7 • |
| NNE | | • 5 | 1. | 1.5 | 1.9 | | | | | | | 5. | 13. |
| NE | | • { | 1.0 | 1,9 | | | | | | | | ₹.5 | 11. |
| ENE | • ~ | 1.6 | 2.3 | 1.6 | . 3 | | | | | | | 5 • 1 | 9. |
| E | | 1.7 | 3.2 | 1.3 | | | | | | | | 5 • ⁴ | ∂ • 6 |
| ESE | | | • • | • 3 | | | | | | | | 1.5 | ?•, |
| SE | • : | • 3 | 1. | • 7 | | | | | | | | 1.5 | 7 . 1 |
| SSE | | • 7 | 1." | 1.3 | | | | | | | | 2.6 | 11. |
| 5 | | • ' | 2 • * | 7.6 | | • 5 | | • 3 | | | | 7.9 | 12. |
| SSW | • 7 | | 1. | 2.3 | | • 6 | | | | | | 4.2 | 12. |
| sw | | • 7 | 1. | 1.6 | 1.3 | 1.0 | | • 3 | | | | €.5 | 18. |
| wsw | | 1.7 | 1.7 | 3.0 | 1.3 | 1.5 | • 3 | | | | | 10.0 | 14. |
| w | | ۰ مر | 2.0 | 6.8 | 2.6 | 1. | 1. | | | | | 14. | 14. |
| WNW | | • 4. | 1.7 | 2.6 | 1.0 | ۰ ۴ | • 3 | | | | | t: • t | 14. |
| NW | | | • 4 | 1.0 | • 3 | • 3 | | | | | | 3•∶ | 14. |
| NNW | • : | • 6 | • 1 | 1.9 | 1.3 | | | | | | | 4.7 | 12. |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | \times | >< | >< | >< | >< | >< | >< | > < | >< | >< | | |
| | 1.5 | 17.0 | 25.6 | 37.8 | 12.6 | 7.1 | 2.3 | .6 | | | | 1 '0." | 1 *•: |

TOTAL NUMBER OF OBSERVATIONS

Y ~ 0

SMOS

-

63.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 17.4 | ACAP AM | 73-92 | | 44 |
|---------|--------------|-------------|-------|--------------|
| STATION | STATION NAME | | YEARS | MONTH |
| | | ALL PEATHER | | 10 |
| | | CLASE | | HOURS (L S T |
| | | | | |
| | | CONDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4-6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-------------|-------|----------|----------|----------|---------|----------|----------|-------------|-------------|-----|-------|-----------------------|
| z | | 1. | 4.^ | 6.6 | 1. | 1. | | | | · | 1 | 1:.7 | 12. |
| NNE | • | • 1. | 2.7 | 1.6 | • 7 | • 3 | | | | | | | 10.6 |
| NE | • 7 | 1. | 1." | 1.3 | • 3 | | | | | | i | 4.0 | -, 7 |
| ENE | • 6 | • 1 | 2•1 | 1.3 | | | | | | | | 5.0 | • . |
| E | | 1.0 | • 6 | • 3 | | | | | | | | 2.6 | 6.0 |
| ESE | • 6 | 1 • 7 | | • 6 | | | | | | | | 2.1 | 5 • 5 |
| SE | | 1.2 | 1.7 | • 3 | | | | | | | | 2.0 | 7.4 |
| SSE | | • 6 | 1.7 | •6 | | | | | | | | 3.0 | 3.3 |
| \$ | | • " | | 2.3 | 1. | • 3 | • 4 | | | | | 7.2 | 17.4 |
| SSW | | 1. " | 1.7 | 1.6 | | | | | | | | 3.7 | 10.0 |
| SW | <u> </u> | • (| 1 . 4 | 1.6 | 1.3 | 1. | .3 | | | | | 7 | 15.7 |
| wsw | • ' | 1 • 3 | 2•* | 2.6 | . ? | • 5 | . 3 | • 3 | | | | 3.7 | 12.6 |
| w | , ? | • 3 | 4 | 3 • ₹ | 1.3 | 1.3 | | | | | | 13. | 13.5 |
| WNW | | | 1.7 | 1.3 | | 1. | | | | | | | 15.5 |
| NW | | • ? | 1.6 | 2.9 | 3 | 3 | | | | | | 5 • | 11.7 |
| NNW | • */ | | 1 • 4 | 1.6 | 1.7 | • 3 | | | | | | f • ~ | 12.0 |
| VARBL | | | | | | <u></u> | | | | | | | |
| CALM | >< | >< | $>\!\!<$ | $>\!\!<$ | $>\!\!<$ | > < | \times | \times | $\geq \leq$ | $\geq \leq$ | >< | 1 • | |
| | 11 5 | 12.7 | 32.0 | 32.7 | 7.4 | 7.0 | 1.7 | • 3 | | | | 1.0. | 11.5 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| C 7 14 | A.A., AV | 73-32 | ₩ <u>#</u> V |
|---------|-------------|-------------|--------------|
| 37AT164 | BAN HOITATS | E YEARS | MONTH |
| | | ALL WEATHER | |
| | | CLASS | HOURS (L.S.T |
| | | | |
| | | COMPLIAN | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥\$6 | * | MEAN WIND SPEED |
|-------------------------|-------|-------|----------|---------|---------|------------|---------|-------------|-------------|---------|------|-------|-----------------------|
| N | 1.7 | 1. 7 | 1.7 | 4.8 | , 6 | | | | | | | 10.3 | 10.3 |
| NNE | 1.0 | 2.5 | 2.3 | 1.6 | ٠ ٦ | | • 3 | | | | | 7. | 7.8 |
| NE | - 5 | 1. | | | • ? | | | | | | | 2 • 3 | 7.0 |
| ENE | • - | 1.5 | 1.3 | 1 • 3 | | | | | | | | 4 . 2 | 7.7 |
| E | • 7 | | • 6 | 1.7 | | | | | | | | 1 • ° | 15.5 |
| ESE | 1 | • 3 | ٠٦, | • 3 | | | | j | | | | 1. | 7.7 |
| SE | | 1. | 1.7 | • 3 | | | | | | | | 2.5 | 8.4 |
| SSE | | • * | 1.7 | 1.5 | . 7 | | | | | | | 3.2 | 10.0 |
| S | 7.3 | 1.3 | 1.8 | 1.3 | | | • 7 | | ì | | | 6 | 8.0 |
| SSW | | • + | • 6 | 1.3 | 1.7 | | | | | | | 3 • 5 | 12.4 |
| SW | | 1.7 | 2.5 | 7.2 | • 6 | 1.3 | • 3 | | | | | 13. | 12.7 |
| WSW | • - | 1.3 | 2.5 | 2.9 | | 1.7 | •6 | | | | | 9.0 | 12.5 |
| w | • 7 | 1.5 | 2.9 | 6.1 | .6 | • 6 | • 3 | • 3 | | | | 13.2 | 12.5 |
| WNW | | | 1. | 1.3 | | . 6 | | | | | | 3. | 13.5 |
| NW | 1.7 | | 1.7 | 1.0 | 1.6 | | | | | | | 6 • 1 | 10.8 |
| NNW | - 3 | 1.3 | | 1.6 | . 6 | 1.7 | | | | | | 4.4 | 17.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | > < | \times | >< | >< | \geq | \geq | $\geq \leq$ | $\geq \leq$ | \geq | >< | 7.7 | |
| | 10.0 | 15.8 | 22.5 | 30.0 | 6.1 | 4 . 5 | 1.9 | • 3 | | | | 173.1 | <i>ن</i> , د |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . * 4 | 5" A , A . | | 2 g 🕳 🖘 🤊 | | <i>∨</i> |
|---------|------------|--------------|-----------|-------|--------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | ALL MATHE | | ALL |
| | ~ | | CLASS | | HOURS (L S T |
| | | | | | |
| | _ | | COMPITION | | |
| | | | | | |
| | ~ | | | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 2t | 22 - 27 | 28 - 30 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ** *********************************** | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|----------|---------|---------|---------|---------|---------|-------------|------|---|-----------------------|
| N | • | 1. | 7.1 | 4 | 1.7 | • 4 | • 1 | | | | | 1. | 11.4 |
| NNE | • | 1.7 | 1.7 | 1.7 | • 5 | • 7 | • 1 | • | | | | | 1. |
| NE | • " | • | • | 1. | • 7 | • - | | | | 1 | | • | • • . |
| ENE | | 1 | 7.1 | 1.1 | • ? | • 1 | | | | | | • | • |
| E | • 6 | 1." | 1.4 | • 7 | • ^ | | | | | • | | | 7,4 |
| ESE | • .7 | • | • | • 7 | | | | | | | | 1. | |
| SE | • 7 | • 7 | • 7 | • 7 | • 1 | • ` | | | | | | 7. | |
| SSE | • : | • . | • " | • 6 | • 1 | • ~ | • " | | | | | | • • 1 |
| S | • 14 | 1." | ? • 7 | 1 • 2 | • 4 | • 7 | • .7 | • 0 | | | | 1 | 1 . |
| SSW | • | • | 1.2 | 1.4 | . 4 | · · | • 1 | • ^ | | | | - • 1 | 11.7 |
| 5W | • 4 | 1.0 | 1. | 7.3 | 1.2 | 1.1 | • : | • ? | | | | • • | l - • |
| wsw | | • 4 | 2.4 | ?." | 1.4 | 1 • 1 | • " | • " | | | | | 1 '•_ |
| w | | 1.2 | 3.3 | 5.7 | 1.7 | 1.4 | . 5 | • 3 | | | | 14. | 14.1 |
| WNW | • 1 | • 6 | 1.0 | 1.2 | . 4 | • 5 | _ 1 | | | | | ٠. | |
| NW | • 1 | • 6 | 1.7 | 1.5 | • 6 | • ^ | | | | | | ч. | 11.4 |
| NNW | • | • | 1.7 | 2.1 | 1.0 | • ₹ | | | | | | • | 12.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | $>\!\!<$ | >< | > < | >< | >< | >< | >< | >< | 4. | |
| | | 1 | 25.0 | 30.1 | . 7 | د ۱۵ | 1.3 | • ó | | | | 1 . | 11.; |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 4 | A | - | J ≛ |
|---------|---|------------|--------------|
| STATION | STATION NAME | YEARS | WONTH |
| | | LL VEATHUR | :: |
| | *************************************** | CLASS | HOURS (1 5 T |
| | | | |
| | | COMPITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------------|--------|---------|---------|---------|---------|---------|---------|---------|-----|--------|-----------------------|
| N | 1. | 7. | . 7 | | | | | : | | | | • | ٠,٠ |
| NNE | • ' | ? • ₹ | 7.7 | 1.7 | • 7 | • 7 | | : | | | : | • | ٧ |
| NE | • 1 | 1. | • , | 1.7 | į | | | | | 1 | | ч. | • 5 |
| ENE | 1. | I • * | • 7 | • 7 | | • ₹ | | 1 | | : | | | 7.1 |
| E | 1. | 1.2 | | • 7 | | | | | | | • | 7. | 4.0 |
| ESE | • 1 | 1. | | | | | | | | | | 1. | ٠. |
| SE | | į . ' | • 7 | | | | | | | | • | 3. | . 4 |
| SSE | | 7 • 1 | 7.0 | • 7 | | | | | ! | | | | 7 |
| \$ | • | 2.3 | 1.7 | 1.7 | . 7 | | ! | | | | | 7. | 3 • 1 |
| \$5W | • ~ | 2. | 2. | • 7 | | | | I | | | | 4. • | |
| sw | • 7 | • 1 | 7 "1 | 4 • ` | 1.3 | 1.7 | | | | 1 | | 13. | 11.5 |
| wsw | :• | 1 • ' | 7.7 | 5 . 3 | 3.7 | 1. | • 3 | | | | | | 1_•4 |
| w | • 7 | 2 • ₹ | ?•7 | 2.3 | 1.7 | • 7 | | | | | | Ŷ• | · |
| WNW | • | | | | | | | Ī | | | | • . | <u> </u> |
| NW | • | | | | | | | | | | | • | 2.4 |
| MMM | • 7 | 1. | 1. | | | | | Ĭ | | | | 7 | 5.7 |
| VARBL | | | | | | | | | | | | h u | |
| CALM | | >< | >< | >< | >< | >< | >< | | | | | • | |
| | 17.7 | יָּבֶּרְיָּ | 24.7 | 27.3 | 7.0 | 7.7 | . 7 | | | | | 1 | • |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . 1 . 4 | 474× , 43 | * ₹ - * | J |
|---------|---------------------------------------|----------------|------------|
| STATION | STATION NAME | YEAL | RS MCNTH |
| | | JEE STATHE | |
| | | CLASS | HOURS (LST |
| | | | |
| | · · · · · · · · · · · · · · · · · · · | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 · 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | · • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|-------------|----------|-------------------|---------|-----|-------|-----------------------|
| N | 1. | • | 7.7 | 7,- | | | | ! | | | | 15.00 | 7. |
| NNE | | 2.3 | 2. | 1. | • 7 | • 7 | • ' | ! | | | | | c • : |
| NE | • ' | 1.7 | 1. | 1.7 | | | | | | | | 4. | ٠.٦ |
| ENE | 1.0 | 1 • 3 | • 7 | • 7 | | | | | | | | | 5.7 |
| E | | 1. | • 7 | | | | | <u> </u> | | | | | 5.7 |
| ESE | • 7 | • " | • | | | | | ! | | | | 1. | |
| SE | " | 1.7 | • 7 | | • 7 | | | | | : | | | 5.7 |
| SSE | 1.7 | 1. 7 | 1 • | 1. | | | : | i | | 1 | | | ۶, 🖫 ۵ |
| S | :• ' | 3.0 | 1.7 | • 7 | • 7 | | i | | 1 | | | 7. | • 1 |
| ssw | • 7 | 1.5 | • ' | 1.7 | | | | | | | | 1. | 7 . = |
| sw | | 1. | 2.7 | 2.7 | 1.7 | 1. | • ` | | | | | 7. | 1 - 4 |
| wsw | • | 1 • 7 | 3. | 5.7 | 2.0 | 7. | • 7 | | | | | • | 13. |
| w | . 7 | ?• : | · ? | 2•′ | | | | | | ! | | • | <u> 5 • 2</u> |
| WNW | • 1 | . 7 | | • 7 | | | | | | | | 1.7 | 7.8 |
| NW | | | | | • 7 | | | | | | | | 10.5 |
| NNW | • " | • 7 | . 7 | • | | | | | | | | il . | 7 |
| VARBL | | | | | | | | |] | | | 1 | |
| CALM | | >< | >< | >< | >< | >< | | | | | >< | 11. | |
| | 17.7 | 23.1 | 21.7 | 21.1 | 4.7 | 4.7 | 1.3 | | | 1 | | 1 | ` • ? |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 7 4 | A A . A | 7 ₹÷ ↑2 | J 1. |
|---------|--------------|-----------------|--------------|
| STATION | RMAN HOITATS | YEARS | MONTH |
| | | ELL ACATHER | _ 7 |
| | | CLASS | HOURS (L S Y |
| | | | |
| | | COLD I COLD III | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|-------------|----------|------------|---------|---------|---------|---------|----------|---------|--------------|------|------|-----------------------|
| N | 1. | 1. | 4." | 1.7 | ?. ` | • 3 | | | | | | 10. | · • ! |
| NNE | ! • " | • | 1.7 | 1.7 | | • | | : | | | | 7 | ۰.1 |
| NE | • | 1. | 3 • 7 | • 7 | | | | | | | | | 7 . 8 |
| ENE | • ' | 1.3 | 1. | 1. | | | | i | | | | 4. | • |
| E | , . | 1.2 | • 7 | . 7 | | | | | | <u> </u> | | | <u> </u> |
| ESE | | | 1 • 1 | • 7 | | | • | | | • | | 1.7 | |
| SE | • 7 | • 7 | • 3 | | | | | • | | : | | 1.7 | 4 |
| SSE | 1.0 | 2.3 | | 1. | | | | i | | <u> </u> | - | 6.7 | 7.4 |
| 5 | • 7 | 7.3 | ₽. | :• ` | | | | | | | | a • | • 1 |
| SSW | • ? | • 7 | • 7 | • 7 | • 3 | | | | | | | 2.3 | : . (|
| sw | 1.01 | 1.7 | 3.7 | 5.3 | 1.7 | 1. | • ? | ! | 1 | | | 14.7 | 12. |
| wsw | • 7 | | 3.0 | | 3 | • 7 | | | | | | 17.7 | 11. |
| w | • | 7.7 | ٠. | 1 • .7 | ٠ ٦ | | | | | | | - | 7. |
| WNW | • - | | • ` | | | | | i | i | | | 1. | |
| NW | | | • 7 | | | | | ! | 1 | | | | 7.7 |
| NNW | | | ١ | • 3 | | | | ! | | : | | 1. | 10.5 |
| VARBL | | | | | | | | <u> </u> | | 1 | | • | |
| CALM | $\supset <$ | $>\!\!<$ | \searrow | >< | >< | > < | >< | | >< | | >< | | |
| | • | ۰, ۰ | 55 · | 21.7 | 5.7 | 7.7 | | | | | | 1 | . , ' |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| , " <i>L</i> I | A 327 😱 🛕 4 | 77 - 177 | J∂% |
|----------------|--------------|-----------------|---------------------------------------|
| STATION | SHAR HOITATE | YEARS | HTHOM |
| | | LL PEATHER | • • • • • • • • • • • • • • • • • • • |
| | | CLASS. | MOURS ILS T |
| | | | |
| | | COMPITION | |

| SPEED (KNTS) DIR. | 1 · 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | | 1. | î. | · | 1. | | | - | | | i | 10. | 11.5 |
| NNE | • 7 | • 7 | 7.63 | 1.3 | ٠ ٦ | • ? | | | | | | 5.7 | 17.1 |
| NE | | 1.7 | • | 7.41 | | | | | | | | 7.7 | 10.5 |
| ENE | 1. | 2.7 | 2.7 | 1.3 | • 3 | | | | | | | €." | |
| E | • 7 | 7. " | 1.7 | 1.7 | | | | | | | | 7. | 7.4 |
| ESE | • | • 7 | • 7 | • 3 | | | | | | | | 2. | 7.5 |
| SE | | 1. | • " | • 3 | • 3 | | | | | 1 | | 2.7 | 8 • 5 |
| SSE | • 7 | • ? | 1.7 | • 7 | | | | | | | | 2.7 | ÷ . 8 |
| 5 | | 1.7 | ۷.,۲ | 3 • ** | . 7 | | | | | | | 7.7 | 10.4 |
| 55W | | • 7 | • 7 | . 7 | | | | | | ! | | 7.0 | • . |
| SW | • 1 | 1. | • 3 | 4 . 3 | ?.^ | • ? | • 3 | | | | | 3.7 | 14.5 |
| WSW | 1. | 1.^ | 1.7 | 4.7 | 3.0 | 7. | | | | | - | 15.01 | 14.0 |
| w | 1. | 1. | 7.4 | 7.7 | 1.0 | • | | | | | į | 15.7 | 11.4 |
| WNW | | • | | | | | | | | | : | • " | 5.0 |
| NW | | • | | . ? | | | | | | | | 1. | - 7 |
| NNW | | • ` | • . | . 7 | | | | | | | | 1 • 7 | • • |
| VARBL | | | | | | | | | | | | | · |
| CALM | | >< | >< | > < | >< | >< | > < | | \geq | | >< | • | |
| | - • | 1 • ^ | 24.0 | 30.⊓ | 7 | 3,7 | . 3 | | | | | 100.5 | 10.4 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ٠., | A 1 , A 4 | 7.3 = 0.7° | J , N |
|---------|--------------|-------------|--------------|
| STATION | STATION NAME | YEARS | MONTH |
| | | ALL JEATHER | 1 ~ |
| | | CLASS | HOURS (L S T |
| | | | |
| | | COMBITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|--------------|-------------|--------|---------|---------|---------|---------|---------|-------------|---------|----------|-------|-----------------------|
| N | • | 1. | .7 • 7 | 4.3 | | | | | | | • | 7.1 | 10.6 |
| NNE | | • | .7.7 | 2.3 | . 7 | • 7 | | | | | | • | 11. |
| NE | | 1. | 1 • | ₹•3 | | | | | | : | | 4.7 | 9. |
| ENE | | . • | 7.07 | 2.3 | 1." | | | | | | | ٠ | ÷ • ¢ |
| E | • 7 | 4 . " | 7.7 | • 7 | | | | | | | | 8.7 | 7.0 |
| ESE | • 1 | 1.3 | • 7 | | | | | | | | | 7.0 | 5.4 |
| SE | • ' | • 7 | • 7 | • 7 | | | • 7 | | | | | 2.7 | 12.5 |
| SSE | • 1 | • 3 | . · | 1.^ | • 3 | | | | | | | 4. | 9.1 |
| \$ | | • 7 | 7 • 1 | 4.7 | . 7 | • 7 | | | | | | O • 1 | 11. |
| ssw | | | • '7 | 2.0 | • | | | | | | | 3.0 | 12.6 |
| sw | • 7 | 1 • 1 | 1 • " | ?•" | 3.3 | 2• | • 3 | | | | | 10.0 | 1 • 1 |
| wsw | • 1 | • 3 | 1. | 6.0 | 2.3 | • 7 | . 3 | | | | | 11. | 14. |
| w | | • ' | | 7 | 2.0 | • 7 | | | | | | 12.7 | 13.5 |
| WNW | | • 7 | 1. | • 7 | | | | | | | | 2.3 | |
| NW | • ' | | | | | | | | | | | • | 2.0 |
| NNW | | | 1. | 1.0 | • 3 | • 7 | | | | | | 7• | 14.4 |
| VARBL | | | | | | | | | I | | | | |
| CALM | >< | $\geq \leq$ | >< | >< | >< | >< | >< | \geq | $\supset <$ | >< | $\geq <$ | 1.7 | |
| | 7 . ^ | 14.7 | 26.7 | 37.7 | 11.7 | 4.7 | 1.0 | | | | | 170.7 | 11.4 |

TOTAL NUMBER OF OBSERVATIONS

73.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| , * * 4 | ATAL, AN | | 73-4.7 | | Jijs |
|----------------|----------|--------------|-------------|-------|--------------|
| STATION | | STATION NAME | | YEARS | MORTH |
| | | | TEL SEATHER | | 1 * |
| | | | CLASS | | HOURS IL S T |
| | | | | | |
| | | | CONDITION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 20 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | • | • ? | 2.3 | 4.7 | 1. | | | | | | | 11.7 | 12. |
| NNE | | • 7 | 1. | 2 • 3 | | • 7 | | | | | | 4.? | 11. |
| NE | | 1. | 4 📲 | 3.7 | . 7 | | | | | | | ٠. | 10. |
| ENE | • 7 | 2.7 | 3. | • 7 | | | | | | | | 7. | 7. |
| E | • ₹ | ?• 7 | 2.7 | 1.3 | | | | _ | | | | 7.~ | 7. |
| ESE | • 7 | 1. ^ | • 7 | | | | | | | | | 2• 1 | |
| SE | | 1. | 1.3 | 1. | | | | | i | | | 3 • 7 | |
| 322 | | • 1 | 2.7 | 1.7 | • 3 | • 7 | | | | : | | 5.1 | |
| 5 | | | 4 | 2 • 3 | . 7 | | | | | | | 8.5 | - |
| SSW | | • 7 | • 7 | 1. | | • ' | | | | | | 2.3 | - |
| SW | | | • 7 | 4 - 3 | 2.7 | 1. | • 3 | | | | | 9.º | i |
| wsw | • - | | 1. | ე • ე | 2.7 | 1.7 | | | i | | | 13.7 | 15. |
| w | | 1.0 | 2 • € | 5.7 | 2.7 | | • * | | | | | 11.7 | 13.5 |
| WNW | | • 7 | ٠ ٦ | • 7 | | | | | | | | 1.3 | €. |
| NW | | • 1 | • 3 | , 7 | | | | | | | | 1." | ٠. |
| NNW | | • ' | • 2 | . 7 | . 7 | | | | | | | 2.0 | 13. |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | > < | >< | >< | >< | >< | >< | >< | >< | >< | >< | • 7 | |
| | | 1.7 | 25.3 | 41.3 | 11.3 | 3. 7 | . 7 | | | | | 1 6. | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 207 4 | ATAK, AF | 77-00 | J.P |
|---------|--------------|-------------|--------------|
| STATION | STATION HAME | YEARS | MORTH |
| | | ALE WEATHER | 17 |
| | | CLASE | HOURS (L S T |
| | | | |
| | | COMPITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|-------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|-----------------------|
| N | | 1. | 1 | ξ. 🔥 👪 | | | | | | | | 1. | 10.2 |
| NNE | • | 1. | 4 | 1.7 | . ? | • 7 | | | | | | - • | ے • د |
| NE | | • | | 1 • | | | | | | | | 5. | 3.9 |
| ENE | | 1. | 1. | 1.3 | ٦ . | • 1 | | | <u> </u> | <u> </u> | | | · . 7 |
| ŧ | 1. | 1. | | | | | | | | | i — | 5 • | 5.7 |
| ESE | | 1. | • 7 | | | | | | | <u> </u> | <u> </u> | 2.5 | ٠, ٢ |
| SE | | 2. | 1." | • • | | | | | | | i | 3.7 | |
| SSE | | `• ' | 1. | ?• | | 7 | | | | | i | 6." | 9.6 |
| 5 | | 1. | ti . 7 | 4 . ^ | 1.7 | | | | ļ | | | 10.7 | !1.1 |
| SSW | • | | • ' | 1. | • ? | | | | | <u></u> _ | | 2." | 11.3 |
| SW | • ` | • | | 7. | 1.7 | • 7 | • 3 | | Ĺ | | | 10.0 | 14.5 |
| wsw | | • ? | 7 | 4.7 | 1.7 | 1.7 | | | <u></u> | | · | 11. | 17.4 |
| w | | 1. | 4. | F • 1 | 1.7 | 1.7 | | | | | <u> </u> | 17.7 | |
| WNW | | _• " | • • | | | | | | | | | 1. | 7.7 |
| NW | | | | | | | | | | ļ | · | • | 1 - 0 |
| NNW | • | | 1. | 1.7 | | | | | | | | • | 13.6 |
| VARBL | | | | | | | | | | | <u>.</u> | | |
| CALM | >< | $>\!\!<$ | $>\!\!<$ | $>\!\!<$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | . 7 | |
| | 4.7 | 14.4 | 36.1 | 31.4 | • • 0 | 4.7 | • 3 | | | | | 1 6. | 15.9 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 277 4 A 34+ | , A:- | 73+80 | J UN |
|-------------|--------------|-------------|--------------|
| SYATION | EMAN NOFTATE | YEARS | MONTH |
| | | ALL WEATHER | 22 |
| | | CLASS | HOURS (L S T |
| | | | |
| | | COMDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|-------------|-------------|---------|---------|---------|---------|-------------|---------|------|-------|-----------------------|
| N | 7.0 | 4.7 | 7. | 2.3 | • 3 | | | | | 1 | | 12.7 | 7.5 |
| NNE | 1.1 | 3.7 | 1.7 | 1. | • 3 | • 7 | | | | i | | 8. | 8.0 |
| NE | • | 1.3 | 1.7 | 1.7 | • 3 | | | | | | | 5. | 7 . 2 |
| ENE | • 7 | • 7 | 1.7 | • 3 | • 3 | | | | | | | 3. | 7 . 1 |
| ŧ | 1. | • 3 | • 7 | | | | | | | | | 1.7 | 4 . 4 |
| ESE | | • ' | | | | | | | | | | • 3 | 5.7 |
| SE | | • 7 | • 7 | | | | | 1 | | | | 1.0 | 7.3 |
| SSE | • 1 | ₹• * | 2. | 1.^ | | | | | | | | 6.3 | 7.4 |
| 5 | 7. | 7.7 | 4.7 | 2.7 | • 3 | . ? | | | | | | 13.0 | 3.€ |
| SSW | • ` | 1.: | 2. | 1.5 | • 3 | | | | | | | 4 . 7 | 9.2 |
| SW | | ∴ 3 | 5. ~ | 2.7 | 1.7 | • 7 | | | | | | 12. | 10.8 |
| wsw | . 7 | 1.7 | 2.0 | 5.0 | 3.3 | 1.7 | | | | | | 13.7 | 13.4 |
| w | 1. | | 2.7 | 1.0 | | 1. | | | | | | 3.7 | ₹.€ |
| WNW | | | | . 7 | | • 7 | | | | | | .7 | 19.5 |
| NW | • 7 | • 7 | • 7 | • 3 | | | | | | | | 2.5 | 6.7 |
| NNW | • 1 | 1.0 | | | | | | | | | | 1. | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | > < | $\supset <$ | $\supset <$ | > < | >< | > < | | $\supset <$ | | > < | 6.7 | |
| | 11.0 | 24.0 | 26.3 | 12.3 | 7.0 | 3.7 | | | | | | 170.1 | i . 5 |

TOTAL NUMBER OF OBSERVATIONS

300

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| y c → 4 | ATAL, AK | 7 3 - 5 () | ار ق |
|----------------|--------------|-------------------|--------------|
| STATION | BEAN HOLTATE | YEARS | MONTH |
| | | ACE LEATHER | غ <u>ا</u> ا |
| | | CLASS | HOURS (L S Y |
| | | | |
| | | COMBITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|--------------|-------|------------------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1. | 7.5 | 3.5 | • 5 | • - | | _ | | ! | : | 10.7 | G . : |
| NNE | • • | 1. | 7.7 | 1.6 | • 3 | • ti | • ! | | | | | 7. | 9.6 |
| NE | • 1 | 1.7 | 2.3 | 2.1 | • 1 | | | | | | | 5 . 2 | 9.3 |
| ENE | • | 1.6 | 1.7 | 1.5 | • 3 | • 1 | | | | | | ٤.4 | |
| E | • 7 | 2 • " | 1.4 | • E | | | | | | | 1 | 4.7 | 5.6 |
| ESE | • ? | • | • * | • 1 | | | | | | 1 | | 1. | 6.1 |
| SE | • • | 1. | • 4 | • 3 | • 1 | | • " | | | | | 2.5 | 7.4 |
| SSE | • | 1.5 | 1 • ^p | 1.2 | • 1 | • 1 | | | | | | 5.1 | 9.4 |
| 5 | • 7 | ? • * | 3.2 | 2.7 | • " | • 1 | | | | | | 9.1 | a . |
| SSW | • 1 | • 5 | • 7 | 1.1 | • 2 | • | | | | | | ₹•* | |
| SW | • | 1. | 2 • 3 | 3.5 | 7.1 | 1. | • 3 | | | | | 10.8 | 13.4 |
| wsw | • 1 | 1. | 2.4 | 5.9 | 2.6 | 1 | • 1 | | | | | 14.1 | 13.7 |
| w | • | 1.7 | 7 • 1 | ų. (| 1.0 | · " | • 1 | | | | | 10.5 | 11.2 |
| WNW | • ` | • 3 | • 7 | . 3 | | | | | | | | 1 • 1 | • |
| NW | • | • 1 | . 7 | • 1 | .1 | | | | | | | • 2 | 3 • 1 |
| NNW | • . | • 4 | . 7 | . 6 | • 1 | • 1 | | | | i | | ٠, | ۶ و د |
| VARBL | | | | | | | | | | 1 | I | | |
| CALM | >< | \ge | >< | >< | >< | >< | >< | >< | >< | >< | >< | 4. | |
| | * <u>*</u> £ | 12.7 | 27.5 | 22.8 | e • 0 | 3. 1 | .5 | | | | | 100.0 | ٥. ٥ |

TOTAL NUMBER OF OBSERVATIONS

239 P

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | 4 A-, A- | /? ₩ € / | Jet |
|---------|--------------|-----------------|--------------|
| STATION | STATION NAME | YEARS | DONTH |
| | | ILL WEATHER | 21 |
| | | CLASS . | HOURS IL S Y |
| | | | |
| | | COMBITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|----------------|---|--------------|--|------|-------|-----------------------|
| N | • | 1. | • | 1." |]• | | | | | | | 3.0 | 17.3 |
| NNE | 1. | 7.7 | ! • | ٠,٦ | • 6 | | | | | | | 6.1 | 7.4 |
| NE | 1. | • 5 | 1.7 | | • 3 | | | | | 1 | | 4.7 | 4.5 |
| ENE | 1 • 1 | 1. | 1. | | | | | , | | • | | 4. | 4.5 |
| - E | 1.0 | 1. | i - | . 1 | | | • | i | • | • | | 3.7 | 4.7 |
| ESE | 1. | | • | ۹. | | | • | • | 1 | • | | Ξ., | 5.4 |
| SĒ | 1 | 1. | | | | | | • | ; | | | 2.6 | 5.9 |
| SSE | 1. | 1.7 | . 6 | 1." | | | | + | | • · · · · · · · · · · · · · · · · · | · | 4 | 6.7 |
| \$ | 1. | 7. 7 | 7.07 | 1.0 | | | - - | • | + | | | 3.4 | 7.8 |
| SSW | 1 | 1. | 2.3 | 1. | . 7 | | • | | + | + | | 5. | $q \cdot \Omega$ |
| SW | 1. | 1.1 | 1.7 | 2.3 | 1.3 | • * | | † | | | | 5.4 | 13.0 |
| WSW | 1. | 3. | 7.0 | 5.5 | 1. | | | · | † | | | 15.5 | 5.6 |
| w | 1 | 7. | 2.0 | 4 . 4 | 1.7 | • * | · | | | | | 12 | 11.5 |
| WNW | # | • " | 1. | . 3 | | | | † | + | 1 | | 1.7 | - 7 |
| NW | | | | .6 | | | i | † · · · · · · · · · · · · · · · · · · · | • | | | 1.5 | 15.5 |
| NNW | 1. | 1. | • 1 | . 3 | | • ′ | | • | † | | | 3. | 7.1 |
| VARBL | 1 | | | | | | | | | | | | |
| CALM | | > < | > | >< | > < | > | > | \geq | $\geq <$ | \sim | >< | 9.6 | |
| | 11.07 | 15.0 | 21.7 | 20.3 | ٤, ٤ | 1.4 | | | | | | 1'0." | 7.€ |

TOTAL NUMBER OF OBSERVATIONS

110

13

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 7 / Ng | A A , A | **-3: | | | | |
|---------|--------------|-------------|-------|--------------|--|--|
| STATION | STATION HAME | | YEARS | MONTH | | |
| | | ALL CLATHES | | 3.6 | | |
| | | CLASS | | HOURS IL S T | | |
| | | Ÿ | | | | |
| | | COMBITION | | | | |
| | | | | | | |
| | | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | : ≥ 56 ! | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------------------|---------|----------------|-------|-----------------------|
| N | ١ | 1.5 | 1.7 | 1 • " | 1.6 | | | | | | | 7. | 9.2 |
| NNE | ~ · 7 | | ?•4 | 1. | | | | | | | | h • 4 | 5.2 |
| NE | 1 • * | 1.7 | • 1 | • 3 | | | | | 1 | | | 3. | 4.7 |
| ENE | 1. | • | • 1 | • 7 | | | | | | | : | 7. | 1.1 |
| E | • ' | • ' | • 7 | •6 | | | | | | | | 2.7 | 7.^ |
| ESE | | ٠. | • " | | | | | | | | | 1.5 | 7.5 |
| SE | • ' | 1. 1 | • | •6 | | | | | | | | 2. | €.* |
| SSE | 1.0 | 1.7 | 1. | 1.7 | | | | | | | | 4.5 | 7.3 |
| \$ | 1 . | 7.3 | 2. | • 6 | | | | | | | | 7.1 | 6.4 |
| 55W | 1 • | 1. | 1. | 1. | • 6 | | | | : | | | | ~ |
| SW | 1.0 | 1. | 1.7 | 7.0 | 1.^ | • 4 | | | | | | 10. | 10.6 |
| wsw | 1.7 | 1.3 | 2 • ` | ε. • ¢ | 1.3 | • € | • ₹ | | 1 | | | 13.2 | 12.0 |
| w | 1.1 | 1.2 | 7.6 | 3.6 | 2.6 | • 7 | | | | | | 12.5 | 11." |
| WNW | | • : | • 7 | • ? | _ | | | 1 | | ! | • | 1. | 1.0 |
| NW | • | • *: | • *. | • 3 | | | | | 1 | | | . • 3 | · • 1 |
| NNW | 1. | • ? | | | | • • | | | | | | 1.0 | 1.2 |
| VARSL | | | | | | | | | I | ! | | | |
| CALM | | >< | >< | >< | >< | > < | | | | >< | | :1.5 | |
| | 17.7 | 77.0 | 20.°° | 21.1 | · 1 | 1 • 5 | • ? | | | 1 | | 170.7 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS

1.

13

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 2004 | ATT A AF | | 7 3 - 40 | JUL |
|---------|----------|--------------|-----------------|--------------|
| STATION | | STATION NAME | YEARS | MONTH |
| | | LL A | EATME | . 1 |
| | <u></u> | | CLASS | MOURS (L S T |
| | | | | |
| | | 50 | NDITION | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | * | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|------------|---------|----------|---------|---------|-------------|---------|------|--------|-----------------------|
| N | • - | 1. 7 | 2. | 1.7 | 1.3 | | | | i - | | | 7.1 | 10.5 |
| NNE | 1.0 | ?•: | 1. | • (| | | | | | | | 7.1 | 5 . 7 |
| NE | 1.7 | 2.5 | | 1.7 | | | | | | | | 4 . | 6.5 |
| ENE | 1.6 | 1. | 1.3 | • 3 | | | | | | | | 4 . 7. | 5 • 1 |
| E | • (| 1. | • * | • 1 | • 3 | | | | I | | | 3. | - 1 |
| ESE | 1 | ₹. | 1.7 | | | | | | | i | | 3 • . | 4 . 5 |
| SE | 1. | 1. | 1.0 | • 3 | | | | | Ĭ | | | 3.2 | 6.4 |
| SSE | • 7 | 1 . | 1 • | 1.0 | | | | | | | | 3.5 | 7 . 5 |
| 5 | • 7 | 1. | ?•3 | 1.7 | . 7 | | | | | | | 5. | 5 • 1 |
| SSW | 1. | 1.7 | ₹.₹ | 1.7 | . 3 | | | | | | | € • 1 | ₽ • . |
| SW | • 1 | 1.6 | 1.4 | 4 . 5 | 1.~ | • 4 | | | | | | ٠, ٦ | 12.1 |
| wsw | • 1 | 1." | 4 . 5 | 4.2 | • 5 | • 6 | • 3 | | | | | 12. | 10.9 |
| w | 1.5 | 1. | 7.0 | 5 5 | 1.6 | 1.3 | | | | | | 15." | 12.5 |
| WNW | • " | | • " | | | | | | | | | 1." | 3.7 |
| NW | | | | | | | | | | | | | |
| NNW | • " | 1. | ! • " | • 1 | • ? | | | | | | | 3.5 | • 5 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | >< | >< | $\geq <$ | > < | >< | $\geq \leq$ | >< | | · • | |
| | 14.2 | 1 | 25.5 | 22.6 | ر و | 2.7 | • 7 | | | | | 10. | • |

TOTAL NUMBER OF OBSERVATIONS

SMOS

....

13

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| · - (. | A | | *** * * * * * * * * * * * * * * * * * | | Ut L |
|---------|---|--------------------|---------------------------------------|-------|------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | ALL WEATH | | ? * |
| | | | CLASS | | HOURS S T |
| | | | | | |
| | - | ~ ~~~ ~ | CONDITION | | |
| | | | | | |
| | | | | | |

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | | MEAN WIND SPEED |
|------------------------|-------|-------------|--------|---------|---------|----------|---------|---------|-------------|-------------|-----|-----------|-----------------------|
| N | • | 1. | 1. | 3.7 | . ? | | | | | | | 7 | 11.1 |
| NNE | 1. | 1.3 | 2 • • | 1.3 | | | | | | | | 6.1 | 7.5 |
| NE | 1.6 | 3.5 | 7.3 | . 7 | | | | | | | | 7.: | ۲,۶ |
| ENE | ! • ` | 4.2 | 1. | 1. | | | 1 | I | | | | 7.1 | |
| E | l • ′ | ₹. `` | 1 • 7 | • 4 | | | | | | | | €. | '•' |
| ESE | 1. | 1.7 | | | | | | i | | | | , , | 7.4 |
| SE | • | 1. | 7 • ? | | | | Í | | | | | 3.0 | 7.0 |
| SSE | • | • 3 | ĵ., · | | | | | : | | | | 3.7 | |
| s | • | 1. | 7 . | 1.3 | 1." | • 3 | I | | 1 | | | 3. | 10.0 |
| SSW | | • | • * | 1. | • 3 | • 7 | | | | ! | | 3.1 | 17.5 |
| SW | | i • î | 7.4 | 4.0 | 1. | | | | | i | | 10.0 | 11. |
| wsw | | | 4 . | 7.8 | 1.5 | 1.1 | | | 1 | | | 15. | 1 7. |
| w | • ' | • fs | 4.7 | 4 • 0 | 2.5 | 1.6 | | ! | i | 1 | | 14. | 17.6 |
| WNW | • | | | | • 7 | | | | | | | • 5 | 7.5 |
| NW | | | | | • 3 | | | | | | | • | 10.1 |
| NNW | • 7 | • 7 | • 7 | • 7 | | . 7 | | i | | | (| | 1. |
| VARBL | | | | | | | | | I | Ī | | · · · · · | |
| CALM | >< | $\geq \leq$ | >> | >< | \geq | $\geq <$ | \geq | | $\geq \leq$ | \geq | | 1 • • | |
| | • " | 19.4 | 31.7 | 27.5 | 7.4 | 4.7 | | | | | | 1 77. | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

الطاعية الماء

37

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| * 4 | Δ. | 17 | | 护儿 | | |
|----------|------------|------------|-------|------------|--|--|
| \$7A710H | STATION NA | ME | YEARS | MONTH | | |
| | | LL HEATHLY | | 1.5 | | |
| | | CLASS | | HOURS (LST | | |
| | | | | | | |
| | | COMBITION | | | | |
| | | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ۹, | MEAN WIND SPEED |
|-------------------------|-------|-------|--------------|---------|-------------|----------|----------|-------------|-------------------------------------|----------|----------|----------------------|-----------------------|
| N | | 1. | 1. | 3.5 | • ₹ | • | | | | | <u> </u> | 1: • 1 | 17. |
| NNE | | 1. | 7.7 | • 3 | • 7 | | | | | | | 14 . | - |
| NE | • ' | 1.1 | 1. | 1.7 | | | | | | | | · · | 7. |
| ENE | 1 • 7 | 1. | 2 € ε | 1. | | | | | 1 | | | 9.7 | |
| E | • * | ?• | u . : | 1. | | | | | • | | | • | |
| ESE | 1.0 | 1. | 1. | • 1. | | | | | | | | ₹. | |
| SE | • 1 | • 7 | 1. | | | | | | · | | | 2. | 7. |
| SSE | | • 7 | 1. | 3.3 | • * | | | | • | | | 4. | 1 . |
| \$ | | • | 1.4 | 1.6 | • 4, | | | | · · - · · · · · · · · · · · · · · · | | | 4 | |
| 55W | | • • | • | 7.3 | 1.7 | , , | | | | | | . 4. | 14.1 |
| SW | | • : | 1. | 4.2 | 2.4 | , 7 | | | | | | | ! |
| wsw | | • (| 2.0 | 15.3 | 4 . 7 | 1. | | | 1 | | | 1:. | 1 - • |
| w | | • | 1. | ₹ . 4 | 1.0 | 1. | | | | | | 1.5 | 14. |
| WNW | | | | • - | • ₹ | | | | | | | · · | 1 - |
| NW | | | | 1 • " | | • - | | | | | | 1.7 | 1 |
| NNW | | | • 1 | 1.5 | • 7 | | | | | ~ | | 1. | 1 F. |
| VARBL | | | | | | | | | | | | + ·· · · - · - · - · | |
| CALM | >< | >< | >< | >< | $\geq \leq$ | $\geq <$ | \times | $\geq <$ | >< | $\geq <$ | | | |
| | • | 14. | 77.1 | 7:.1 | 11.7 | ١. | | | | | | | 11 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHOR SERVICE OFTACHMENT ASSEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | _ | | | | CONS | TION | | | | | | |
|-------------------------|-------------|---------------------------|-------------|---------------------------------------|--------------|---------|---|---------|---------------------------|---------------------------------------|---------------------------------------|------------------|
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 ≥ | 56 % | ME WII SPE |
| | | • 7 | 1. | 7. | 1.3 | | | | | · | | 1 |
| N | | | | · 1.·· | ` | · | | · | | • | | |
| NE | - | • / | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| ENE | • | 7, 7 | | · | | · — | | | +- | • | | · · |
| E | | | | · <u>-</u> : | | | : | | • | • | | |
| ESE | | | 1 . 7 | | | | | | | • | 1, | · |
| SE | | 1. | | • | | | · | · | • | | | |
| SSE | | | 1. | 1. | | | | | | • | | +- _i |
| s | | 1.7 | | 7.0 | • 7 | | | | • | | - | |
| ssw | | | 1. | 1.7 | • 6 | | | | | | 7. | |
| sw | • 1 | | 1. | 4. | 1.7 | | • | · | · | | + | <u> </u> |
| wsw | | - + | , , 7 | · · · | 1,0 | 1. | | • | · | · · · · · · · · · · · · · · · · · · · | | |
| w | • | | 7. | 4. • 1 | 7. | 1. | | • | | | ··· · · · · · · · · · · · · · · · · · | 1. |
| WNW | • | | | | | | | | | | | |
| NW | | - | • | | | • | | | | | | _ 1 |
| NNW | | | • ' | | | | | + | + | | · · · · · · · · · · · · · · · · · · · | |
| VARBL | | | | · | | | | · | · : | • | | . |
| CALM | | >< | >< | | | > < | | | | | <† · · · · · | * |
| ~ | | 14. | 31. | 37.2 | 12.61 | 2. | £ | · | ` | | 1 | 1 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL SEATHFH SERVE SE DETACHMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | 1 A + A/ | | · · · · · · · | • | |
|---------|----------|--------------|---------------|-------------|-------------|
| STATION | | STATION NAME | | YEARS | #ONT# |
| | | | LL MATE | | 1 d |
| | | | CLASS | | HOURS S T |
| | | | | | |
| | _ | | COMDITION | | |
| | | | | | |
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| | | | | | |
| Г | | | | | |
| 1 | SPEED | | | | MEAN |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | . 41 - 47 | 48 - 55 | ≥ 56 | •• | MEAN WIND SPEED |
|-------------------------|-------|-------|--------------|---------|---------|---------|---------|----------|------------|----------|----------|---------------|-----------------------|
| N | | 1. | 7. | 1.0 | • * | | | • | | · | | • | 1. |
| NNE | • | 1. | • | ! • " | | | | | | * | | • | • |
| NE | • | 7. | 7.5 | | | | | | | • | | • | • |
| ENE | • ? | 7. | 7. | • | | | | + | | | | , | |
| E | 1. | | • • | • 6 | | | | | | | | | |
| ESE | • | • " | 7 . | • - | | | | | | | | | |
| SE | | · . | | • | | | | | | | | | • |
| SSE | • ` | 1. | * • • | • ` | | | | | | | | | 7. |
| S | | 1 • | 7. | `. | • * | | i | | | | | | |
| SSW_ | | • | | 1.7 | . 7 | | | | | | | | 11. |
| sw | | • 1 | • | 1 • f | | | | | | . | | | 1 |
| wsw | | 1. | 4 € 2 | '• i | | • | | | · | | | | 1 |
| w | • ' | 1. | | 4.1 | | | • | | · | | | | 1. • |
| WNW | | • | 1. | L | • 7 | | | | | · | | • · . | . • . |
| NW | | • | 1. | • - | | | · | + | · | + | | · | • |
| NNW | • ` | | 1. | 1. | • | | : 1 | · | ; ! | | | ` | 1 . |
| VARBL | | | | | | | | : | | | | · • | _ |
| CALM | >< | >< | >< | >< | | | | | | >< | $\geq <$ | • | |
| | | • | 3".1 | 2 . 1 | 7.1 | 1. | , | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| - > 44 | 8-7-6 Ad | 73 - ₹0 | | ا ل |
|---------|--|----------------|-------|-------------|
| STATION | STATION NAME | | YEARS | MONTH |
| | | ALL . ATHE . | | |
| | | CLASS | | HOURS IL ST |
| | | | | |
| | ** · · · · · · · · · · · · · · · · · · | CONDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | : 34 - 40 | : , 41 - 47 } | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|----------|-----------------|---------|-----------|---------------------|---------|------|----------------|-----------------------|
| N | 1. | 7. | 1. | 1.7 | 1. | | | | | • | | • | • • |
| NNE | 1. | | 7.7 | 1. | | | | | | | | | t • 7 |
| NE | 1. | 1. | 1. | | • | | | | : | | | *** | |
| ENE | • | • . | • + | • 3 | | - | | | i | | | 1 • • | 7 . 9 |
| E | :• | 1. | 1. | • 7 | . 7 | | | | | | | 4. | ٥.5 |
| ESE | • * | • 5 | • 11 | | | | | | | | | 1 • | ₹.,; |
| SE | • | • 5 | 1.7 | | | | | | i | | | 2• | 5.3 |
| SSE | • . | 2.3 | 1 • ? | | ٠,٤ | | | | | | | 4.5 | 7.3 |
| 5 | | 1. | ₹.9 | 2 • ? | | | | | | | | 9. | 3 |
| SSW | • | | 1. | • 6 | • 7 | • ' | | | | | | 2.5 | 11.3 |
| SW | • ' | • * | 3 🔐 | 3 • ₹ | | | | | | | | 7.4 | 15.4 |
| wsw | 1 | 1.7 | 6.1 | 5.0 | 1.0 | • ⁱⁱ | | | | | | 1 7 | 10.7 |
| w | • | 1.0 | 7.0 | 4.7 | • 5 | . 7 | | | | | | 10.4 | 13.7 |
| WNW | | | • | ♠ fr | | | | | | | | 1. | 12.7 |
| NW | | • - | • * | • 7 | | | | | | | | 1. | • 1 |
| NNW | 1. | | | 1. | | • 1 | | | | | | | 10.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | >< | $\geq <$ | | \geq | | | >< | | 9.4 | |
| _ | 11. | | 2 .4 | 27.3 | 5.7 | 1. | | 1 | | • | | 1.0. | • : |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| , * 4 | A & | *7 = 1 () | | JUL |
|---------|--------------|---------------------------------------|-------|--------------|
| STATION | STATION NAME | · · · · · · · · · · · · · · · · · · · | YEARS | MONTH |
| | | LL JEAT 45 " | | ΔιΕ |
| | | CLASE | | HOURS (L S T |
| | | | | |
| | | CORDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|-------------|---------|-------------|------|--------------|-----------------------|
| N | | • | ٠. | 7.1 | • ~ | • ` | | | | | | 7. | 17. |
| NNE | | • | • 1 | • 1 | • 1 | | | ! | | | | | 7.7 |
| NE | | | 1.7 | • 1 | • 1 | | | | | | | | 7 3 |
| ENE | | 1. | | • 5 | | | | | | | | | *, 7 |
| E | | | 1.5 | • f | • • | | | ! | | | | 1 60 | F . I. |
| ESE | | 1. | | • " | | | | | | | ! | 2. | 5, 6 |
| SE | | 1.1 | Ι. | • ` | • `` | | | | 1 | : | | 2.5 | 5.7 |
| SSE | • | 1. | 1. | • | • 7 | | | | | | | 4.6 | • : |
| 5 | | 1. | | 1. | . 3 | • | | | | : | | 7 . 4 | 1.1 |
| 55W | | • | 1 • | 1.7 | • 1 | • 1 | | | | ı | | 4 | 1 7.1 |
| sw | | | | 7.7 | 1,2 | • 7 | | | | | | • | 11. |
| wsw | | 1. | 4. | 5.0 | | • | • 1 | | | 1 | | 15, - | 12.4 |
| w | | 1 | 7. | ٠.5 | | • ' | • | | 1 | | | 17. | 12.6 |
| WNW | • | • | . 4 | • ? | • 1 | | | | | | | | |
| NW | • . | • ` | , L | • !s | • 1 | • 1 | | | |] | | 1. | 1: |
| NNW | • | • • | • • | ن و | • 1 | • ' | | | | | | 2.4 | · · · |
| VARBL | | | | | | | | | | 1 | | <u> </u> | |
| CALM | | >< | >< | >< | >< | >< | >< | | | >< | >< | • • <i>€</i> | |
| | | | 2 .1 | 21.3 | 7.0 | 7. | • 1 | | | : | | 1 ~. | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ," ' u | 6 A , A . | | | | 4 - |
|---------------|-----------|--------------|-------------|-------|--------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | FERNACATHER | | 21 |
| | _ | | CLASS | | HOURS (L S T |
| | _ | | | | |
| | | | CONDITION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4-6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 49 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|------|---------------|---------|---------|---------|-------------|---------|---------|---------------------------------------|------|--------|-----------------------|
| N | • | • , | • A | 2.€ | • 7 | | | : | | - | | 4 . ") | 11.0 |
| NNE | : • | ì• ^ | 1.7 | • ? | | | | | | | | 3.6 | 5. |
| NE | ! • | 1.7 | 1.7 | • 3 | • 3 | | | | | · · · · · · · · · · · · · · · · · · · | | 4. | 7.0 |
| ENE | • ' | 1. | • 6 | • ₹ | | | | | | | | 2.3 | 1 • 3 |
| E | • | • (. | 1. | ٠ ٢ | • ₹ | | | | | | | 2.5 | 7.7 |
| ESE | | • | | • 7 | | | | 1 | | : | | • ' | 10.0 |
| SF | • | • 2 | 1.6 | • 7 | . 7 | | | : | 1 | | _ | 2.7 | c . : |
| SSE | 1.7 | • *. | 1.7 | 1. | | | | | i | | | 4. | 7.5 |
| 5 | • - | 7.4 | 4.? | 1.7 | | • 7 | | | 1 | | | 9.7 | ۶.۶ |
| \$5W | • • | ₹• : | 7.7 | î • î | | | | | | | | 10.4 | • 2 |
| sw | 1. ' | 1. | 1.0 | 2.9 | 1.3 | | | | | | | 5 . 4 | 17.4 |
| wsw | | 7. | # , €, | 7.8 | 2.7 | • 3 | • 7 | | | | | 12.5 | 11.7 |
| w | 1.0 | 1.7 | 2.3 | 3.7 | • 6 | | • 3 | | l | | | 10. | 10. |
| WNW | • \ | • ' | 1. | • f | • 3 | | | | | | | 3. | · 1 |
| NW | • 7 | • | | | | | • ' | i | | | | 1. | 11.7 |
| NNW | • | • 3 | | 1 • 4 | | | | | | | | 2.5 | |
| VARBL | | | | | | | | | | | | | |
| CALM | | >< | >< | >< | >< | >< | >< | | > < | >< | >< | 10. | |
| | ; . 7 | 1 ^ | 21.0 | 27.2 | 5.8 | • ' | 1. | | | | | 105.0 | · . : |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | A 4 | * T - y ** | • , |
|---------|--------------|--------------|-------------|
| STATION | STATION HAME | YEARS | MONTH |
| | | PLE - (ATVEC | _ 4, |
| | | CLASS | HOURS . S T |
| | | | |
| | | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------------|---------|----------|---------|-------------|---------|---------|---------------|---------|---------|--------------|----------|-----------------------|
| N | • | ! • | 2. | 7.1 | 7 | | | | | | | • | |
| NNE | !• ' | • 1. | 1. | | • | | | | | | | 3 | 7. |
| NE | : • | 1.7 | •• | | | | | | | | | • | 4. |
| ENE | • | | 1. | • ₹ | • ? | | | | | | | : | 17. |
| E | i • * | | ٠, | 1. | | | | | | • • • | | <u> </u> | |
| ESE | • ' | | | | | | | - | | | | • 1 | |
| SE | • 1 | 1. | 1. | • 1 | • ₹ | | | : | | | | 7.01 | 3 . T |
| SSE | | 1. | ٠٤ | ₹•6 | • 7 | | | | | | | 5 | 19.00 |
| \$ | '• ' | 1.4 | 7 , 7 | 1.0 | | | | | 1 | | | 7.5 | • • • |
| SSW | 1. | 1. | 1.5 | 1.9 | . 3 | | | , | | | | 1 • 1 | |
| SW | 2 • | 1. | 1.9 | 1.7 | 2.6 | • 7 | 1 | | | | | , | 11 |
| wsw | | ₹ | F . 7 | 7.1 | 1.7 | 1. | | | | | | 1 | 11.7 |
| w | • | 2.6 | 4.2 | 2.6 | 1.3 | 1. | • 7 | | | | - | 1 3 | 11.4 |
| WNW | 1. | • 3 | | • 7. | . 7 | | | | | | | 1. | 7 |
| NW | • 1 | • ' | | • * | | | • 7 | | | | | 1. | 17.0 |
| NNW | • ' | • 7. | • 7 | • f. | | | | | | | | 1.5 | • 3 |
| VARBL | | | | | | | | | | ! | | . | |
| CALM | $\supset <$ | > < | \times | >< | > < | >< | >< | | >< | | | | |
| | 11.7 | 1 9 • 1 | 21.6 | 23.6 | я .1 | 2.3 | | . 3 | | | | 1 0. | ٠. ٩ |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| • 4 | | | * * • * * * | | | £ , * |
|---------|----------------|--------------|-------------|-------|-------------|-------------|
| STATION | | STATION HAME | | YEARS | | **** |
| | | ગા . | Pater. | | | 0.7 |
| | - - | | CLASS. | | | HOURS ILS T |
| | | | | | | |
| | | co | REITION | | | |
| | | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | . 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|----------|----------|----------|---------|---------|---------|-------------|-----------|---------|-------------|---|-----------------------|
| N | | 1. | 1.7 | 1. | 1.7 | | | | | | | | 10.0 |
| NNE | ` • | • ' | • * | | | | | | | | | <u>* 3. </u> | 5.5 |
| NE | • | 7 . 7 | 1.7 | • | | | | | | | | <u></u> | - · · · · · |
| ENE | | | 1. | • 7 | | | | | | | | 1 • 5 | • t |
| E | | ! • " | • 4. | • | | • 7 | | | | | | | 7.1 |
| ESE | • | • 3 | • ' | | | | | | · • | | | 1.7 | ٠.٠ |
| SE | • | 1 • 3 | ! • | 1.7 | 7 | | | | | | | 5.1 | 5.2 |
| SSE | • ` | 1. | 1.6 | • ' | • 6 | | | | · • | | | 4. | 10.4 |
| \$ | • ` | ?•≛ | 7.7 | 1.6 | | | | | | | | 6 • | F • 2 |
| ssw | . • | 1. | <u> </u> | 1.7 | • 6 | | | | | | | 7 | 17.1 |
| \$W | • 1 | 1 • 3 | ر: به | ٠,٦ | . ? | | · | | | | | 11. | 11.3 |
| wsw | • | 2.4 | 4 . 5 | 4. • 5 | 3.€ | • 1 | | | | · | | 17.1 | 11.5 |
| w | • 15 | 1.7 | 3.5 | 4.5 | 1.0 | • 1 | • ? | | · | | | 12.3 | 11. |
| WNW | | • ' | • ₹ | • t | . 3 | | | | | | | 1 • | 12.0 |
| NW | | | | | • ? | | | | · | | | i | 17. |
| NNW | • | • * | 1. | • | • 3 | • 7 | | | | | | *= 3. | 17.5 |
| VARSL | | | | | | | | | | | | | |
| CALM | >< | $>\!\!<$ | >< | $>\!\!<$ | >< | >< | >< | $\geq \leq$ | >< | | $\geq \leq$ | Ç,7 | |
| | . 7 | 17.7 | 27.5 | 26.1 | 4 | 1., | • ' | | | | | 170. | 9.0 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 4. | | | | | | | |
|---------|------------------|-----|----------|-------|--------------|--|--|
| STATION | STATION NAME | | | YEARS | WORTH | | |
| | | TLL | LATHE | | : | | |
| | | | CLASS | | HOURS IL S T | | |
| | | | | | | | |
| | | | 0401710M | | | | |
| | | | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 20 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|----------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | • ' | 1. | 1., | 7.7 | • (| · | · | | | • | | L.* | 7,0 |
| NNE | • | 1.7 | 1. | • : | | | | • | 1 | | | 3 . | 1. |
| NE | 1. | 1.7 | 1.0 | 1. | | | | | | | | | 7.1 |
| ENE | • | 1.3 | 1.7 | • 6 | | | | | Ì | | | • | ~ • • |
| Ę | • 1 | 1.7 | • * | • 3 | • * | | | | | | | | 7.4 |
| ESE | • ' | | 1. | • 3 | • 7 | | | | : | | | 2.1 | 2.5 |
| SE | | `• 7 | • - | نڌ . | • 4 | | | |) | | | 3.5 | 7.1 |
| SSE | | 1.7 | .7 • " | . 7 | . 7 | | | | 1 | | | 4 . 1 | ÷ . 7 |
| S | • ' | 1.7 | 1. | 7.5 | • 3 | • 7 | | | | | | 7.1 | 17. |
| \$\$W | • | • | 1. | 1.7 | • ¢. | • 7 | | | | | | 6 | 11.4 |
| sw | | | 7 • 1 | 5.5 | 2.6 | • 7 | | | i · | | | 11. | 17.2 |
| wsw | • ' | 2.7 | 4 .5 | 1 1 - 3 | 1.2 | • ₹ | | • 5 | | | | 10.3 | 12.6 |
| w | • ' | • 4 | | 5. p. f. | ?•₹ | ٠, | | | : | | | 12.3 | 12.5 |
| WNW | • .' | • ' | • • | | • • | | | | | | | 1 • : | > . 4 |
| NW | | • ' | | | | | | | 1 | | | | 5.0 |
| NNW | • | | | 1 • ** | . 4. | • • | | | | | | | 1 . 3 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | >< | > < | | >< | | >< | | | | |
| | r • • | 17 | 25.0 | 34.5 | 11.0 | ٠,٠ | | .6 | | | | 1 7.0 | 1 106 |

TOTAL NUMBER OF OBSERVATIONS

116

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 57 7 4 | AT SK. AK | 7 ₹ ⊷ ↑ ↑ | Δ 1.7 |
|---------|--------------|------------------|--------------|
| STATION | STATION HAME | YEARS | WONTH |
| | | ALL NEATHER | 1 ~ |
| | | CLASS | HOURS (L S T |
| | <u> </u> | CORDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------------------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---------------------------------------|-----------------------|
| N | • | | 1.5 | 1.1 | 1.3 | | | | | • | | '- • | 13.0 |
| NNE | • ' | 1.5 | 1 • | • 60 | • * | | | | | • | | 4. | |
| NE | • 7 | • ' | 1.0 | 1.7 | | | | | | | | 3.0 | 7.0 |
| ENE | • ' | 5.0 | 1.7 | . 7 | | | | | | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <u> </u> |
| E | 1. | 2.9 | 1.7 | • to | • 3 | | | | | | | 1 | 7. |
| ESE | • , | • 7 | • 10 | • | | | | | | 1 | | 1. | |
| SE | | • ' | • 4 | • 6 | • 7 | | | | | | | 2.3 | 1 . |
| SSE | 1.0 | • ** | 2 • 4 | 2.3 | | • 7 | | | | | | · · | 4.0 |
| \$ | | • 1 | 2.3 | 3.0 | 1.0 | _ | | | J | | | 7.7 | 12.1 |
| SSW | | • | 1.7 | 1.0 | • 6 | • 6 | | | | | | 4 . | 1 . |
| sw | | | 7 . 5 | 4 . 5 | 2.5 | 1.^ | | | ; i | | | 11. | 14. |
| wsw | | 1.7 | 4.7 | 7.4 | 4.2 | 1.7 | •6 | | 1 | | | • 1 | 14. |
| w | | • | 1.7 | 5 • - | 2.9 | 1.3 | | | 1 | | | 1. | 14 |
| WNW | | | • " | • 6 | | | | | | | | 1. | 11. |
| NW | • | | • ` | | 1.0 | | | | | | | 1 . | 14.4 |
| WNW | | | | 1.0 | | | | | | | | 1. | 14. |
| VARBL | | | | | | | | | | | | | |
| CALM | $\supset \subset$ | >< | >< | >< | >< | >< | >< | >< | | | | • | |
| | 11. | 14.2 | 25.5 | 35.1 | 14.4 | u . ' | ٠ | | | | | 1 12. | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 4 | 2.7.3 | , 2 × | | 4 ?− ₹2 | | | | | | | | | | right . |
|---------|-------------------------|--|--------|----------------|---------|----------|---------|---------|---------|--------------|---------------|--------------|-------------|-----------------------|
| STATION | | | STATIO | HAME | | | | | | YEARS | | | | ONTH |
| | | | | | | 1LL v | CATHER | | | | | | | 1. |
| | | - | | | · | | LASS | | | | | | HOU WS | i i s f |
| | | | | | | | | | | | | | | |
| | | _ | | | | CON | DITION | | | | | | | |
| | | _ | | | | | | | | | | | | |
| | | | _ | | | | | | | | | | | |
| | | | | | | | | | | , | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | • | MEAN WIND SPEED |
| | N | | | 1. | 1.7 | .6 | | | | | | | | 11.0 |
| | NNE | , | 7.4 | 1.4 | 1.6 | . 7 | | | | | + | ! | 6. | [• |
| | NE | | 1.7 | 1. | 1.7 | <u> </u> | | | | | | | 4. | ٠.: |
| | ENE | • ' | 1. | 1.7 | | • 3 | | | | † | | | 3 | |
| | - | | 7.7 | 1.7 | • ₹ | | | | | t | | • | 5. | |
| | ESE | . | 1.6 | . 3 | • 7 | | | | | | • | | 2.0€ | 6.5 |
| | SE | | | 1. | • ₹ | • 3 | | | | 1 | | •—— | 2.5 | 4.3 |
| | SSE | | . 7 | 2.0 | 1.5 | - 7 | | | | | + | · | | 5,3 |
| | 5 | | 1. | 2.5 | 7.7 | | | | | <u> </u> | + | • | | 1 |
| | SSW | | | 1. | 7.3 | 1.3 | | • 5 | | | | | | 1 + • 4 |
| | sw | † | ! • ^^ | 1. | 5.3 | 1.^ | 1.2 | | | | | | 10. | 13. |
| | wsw | † | • • | F. 1 | 5.2 | | 1. | | | | | | 17.7 | 14.1 |
| | w | • | 1.6 | 7.0 | 3.5 | 4.7 | • 6 | | | | - | + | 14. | 1,1 |
| | WNW | 1 | | • | | | | | | <u> </u> | | | 1. | 11. |
| | NW | † | • " | | • 7 | •6 | | | | | † | | 1.7 | 14. |
| | NNW | # | 1. | 1.7 | • 3 | | . 7 | | | 1 | + | | 3. | 11.1 |
| | VARSL | | | | | <u> </u> | | | | † | | | · | |
| | CALM | | | | | | | | | | | | | |
| | LAIM | | | | | | | | \leq | | | | | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| C 2 🛶 🔻 | A 2.3 | C. AF | | | | | 77-0 | | | | | | 3 | 1 - |
|---------|-------------------------|-------|---------------|------------|---------------|----------|---------------|---------|-------------|--------------|-------------|-------------|--------------|-----------------------|
| STATION | | | STATIO | | | | | | | YEARS | | | | ONTH |
| | | | | | | "LL ef | TATH[F | | | | | | | 1 % |
| | | | | | | CI | A\$5 | | | | | | HOURS | 5 (& \$ T |
| | | _ | | | | | | | | | | | | |
| | | | | | | COM | DITION | | | | | | | |
| | | _ | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 . 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
| | N | | . 7 | | 1.7 | 1. | | | i | + | • | | • | 13.1 |
| | NNE | 1. | • " | 7.0 | . 7 | • 7 | | | | 1 | • | | <u> </u> | - <u></u> |
| | NE | | 1.7 | 1. | • 3 | • 6 | | | | | • | | | 7,7 |
| | ENE | 1.7 | 1.5 | • 7 | | | | | | | | + | | ä . 1 |
| | E | 1. | 1. | 7 | | | | | | † | • | • | 4. | 7,4 |
| | ESE | | 1. | 1.7 | • 1 | | | | : | 1 | | • | - | |
| t | SE | • 1 | 1. ! | • • | • * | . 7 | | | : | 1 | • | | 3.0 | |
| | SSE | • 1 |] • 7 | 3.5 | • 1 | | • 4 | | | | | | | ٠ |
| | S | • * | 1 • 7 | | ?•€ | • * | | | | I . | | | • | 1 ^ · 1 |
| | SSW | • 1 | • * | Ī. | 1. | | • • | | | | | | | 11.7 |
| | sw | • 1 | 1 • | 1 • 4 | r | 2.3 | • 7 | | 1 | | | | 11. | 1 * • f |
| | wsw | • ' | 1.6 | 0.6 | 5.0 | 7.0 | _1 • 6 | | | 1 | | | 14. | 1 7 • 7 |
| | w_ | • | 1 • 3 | ₽ □ | 5.7 | 1. | • 6 | | | i | i . | | 17. | 11. |
| | WWW | • ~ | 1• ` | • 1 | | | • | | | | | | • • | |
| | NW | | • | • | | | | | | | | i | 1 • " | 7 . 7 |
| | NNW | | | • | 1.7 | 1. | | | I | | | | • | 14.1 |
| | VARSL | | | | | | | | | | | i | | |
| | CALM | | $\overline{}$ | \sim | $\overline{}$ | \times | $\overline{}$ | > < | | | | | 4.5 | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

10.3

27.4

26.5

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | ., | . A | | | | | , · ; | _ | | | | | Ł | |
|------|-------------------------|--------------|-------------|--------|-----------------------------|---------|---------|---------|---------|---------|-------------------|---------------|----------|--------------|
| TION | | | STATION | I HARE | | | | | Y1 | LARS | | | • | *** |
| | | _ | | | | | 47 (6) | | | | | | | • |
| | | | | | | Ci | ASS | | | | | | HOURS | 11.57 |
| | | _ | | | | CÓM | DITION | | | | | | | |
| 1 | | | | | | , | | | | | | . | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEA! WIND |
| 1 | N | (, | 1. | • | • 1 | | | | | | | | | - |
| | NNE | | 1.7 | 1. | 1. | | | | | | | | | |
| [| NE | | | 1 • | | | | | | | | | | |
| [| ENE | | • | 1. | • , | | • | | | | | | | j |
| | ŧ | . • | • | • | • 6 | | | | | | | | | |
| [| ese | | • | | • 7 | | | | | | • · · — — • | | 7. | • |
| [| SE | 1. | • | 1. | ! • | | | | | | | | 3. | L |
| ĺ | SSE | | 1. | • | 1 . * | | • • | | | | • · · - · - · • • | | 4. | - |
| I | S | | • | • | 1. | • 1 | | • | | | • • • • | | | |
| | 55W | | 1. | | l • : | | | • ' | | | | | 7. | - |
| [| sw | | 7 | , • · | 7 | 1. | | | • ` | | | • | 1. • | ! ~ |
| ĺ | wsw | T . | 1. | 7 | 7.7 | | • 1 | | | | | - | 7.1 | 1 7 |
| [| w | | 1. | • | | 1.4 | | | | | | | | 1 '` |
| í | WNW | | • | | | | • 7 | | | | | | 1.0 | 17 |
| ĺ | NW | 1 | • | • | • - | • | | | | | | | 1. | 4 |
| 1 | NNW | † | • | • | . 7 | • | | • | | | | | i i | Α, |
| Ī | VARBL | # * | • | • | • | • | · | | | • | • | | • | |
| - 1 | CALM | | ~~ <i>*</i> | * * | ~ _{jug} <i>-</i> ~ | | ` | | | | | | 1. | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER DEFIVICE DETACHMENT ASHEVILLE NO

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CLASS

| SPEED (KNTS) DIR | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPELL |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|-------------|---------|-----|-----------------------|
| 7 | • | ! •] | • | . • | . 7 | | | | | | | • | 1 . |
| NNE | • | ١. | • | • 7 | • 7 | | | | | | | | • |
| NE | • | | 1. | • ' | • 1 | | | | | | | • | 7. |
| ENE | • | | 1.1 | • 7 | • 1 | • | | | | | | | · · · |
| E | | 1.4 | 1 • | • • | • 1 | • | | | | | . — . • | 4 • | • |
| ESE | • | • | • | • 7 | • | | | | | | # | 1. | · |
| SE | • | 1. | • | • • | • 7 | | | | | | | | • |
| 358 | • | 1. | `•` | 1. | | | | | | | | | |
| 5 | • • | 1. | | `• ' | • ` | • 1 | | | | | | • 1 | , , |
| SSW | • | 1.1 | 5. | 7 • 1 | . 4 | • - | • | • 1 | | | ··· | , – | 1 |
| sw | • | 1. | 7 • 1 | | 1.7 | • • | • | • ^ ` | | | | • | 12. |
| wsw | • | 1. | 14 . 4 | 7.5 | • 1 | _ • . | . 1 | • ! | | | | | 1 |
| w | • | 1. | | £ • E | 1.0 | • | • i | | | • | | | 15. |
| WNW | • | • | • " | • 4- | •] | • 1 | | | | | | 1. | • |
| NW | • | • | • 1 | • ` | • 3 | | • 1 | | | | | 1. | 11.1 |
| NNW | • | • ", | • | • | • 1 | | | | | · · · · · · | | 2. | 11. |
| VARBL | | | | | | | | | | _ | | • | |
| CALM | | | | | | | | \ | | ` \ | S. 545 | | |

TOTAL NUMBER OF OBSERVATIONS

* . L HOURS . S T

NAVAL WEATHER LERVICE LIE FACHMENT ASHE VILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| L | • • • • • • • • • • • • • • • • • • • | · · · · · · · · · · · · · · · · · · · | • . |
|---------|---------------------------------------|---------------------------------------|-------------|
| STATION | STATION NAME | YEARS | MONTH |
| | | SEL WATHER | • |
| | | CLASS | HOURS . S T |
| | | | |
| | | COMPLICA | |
| | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 48 | . 55 ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|----------|---------|-------------|---------|------------|-----------|---------------------------------------|-----------------------|
| 7 | | 1. | 1.7 | 1.3 | 1. | | | | | | • 7 | . 7 |
| NNE | • | 1. | 1. | 1. | . 7 | • 7 | | | | | | |
| NE | 1 • | • ' | 1. | • ? | • 7 | | | | | | 3. | • |
| ENE | | i • | 1. | . 7 | | | | | | | | ~ ,- |
| E | | • ' | 1. | • 7 | | | | | | | | • * |
| ESE | | • | • 7 | • " | | | | | | | 1. | > • |
| SE | • | • ' | • | | | | | | | | 1. | |
| SSE | 1 • | • ' | | | | | | | | | | |
| \$ | 1.7 | 1. | • 7 | 1. | . , | 1 • - | | . , | | | | 11.4 |
| \$5 <u>W</u> | | 1. | • | 1. | . 7 | 1. | | | | | : • | 13.7 |
| sw | 1. | 1.7 | 1.7 | 7.3 | 1. | • 7 | • 3 | | | | • | 11. |
| wsw | • | ै• ₹ | 3.1 | 7.7 | 1.7 | 1 • ? | | | | | 12. | 11. |
| w | • | ?• | ū . | 7.7 | 1.7 | . 7 | | | | | 1.3 | 11. |
| WNW | • 1 | • ' | 1. | • 7 | , , | | . 7 | | | | | 17.5 |
| NW | | | . • | 1." | | • ` | | | | | - T | 11.3 |
| NNW | • ~ | l • 7 | 1.7 | 1.7 | 1. | • 7 | | | | | | 11. |
| VARBL | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| CALM | >< | >< | >< | >< | $\geq <$ | >< | $\geq \leq$ | | | | 11. | |
| | 11. | 17.7 | 2". | 17.7 | ∵ • र | : 7 | 1.7 | • ! | | | 117. | `. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | | | | ·· - | | | | | | | |
|-------------------------|-------|--------|----------|--------------|--------------|----------|----------|---------|---------|--------------|---------------|-------|--------------------|
| | | STATIO | | | | | | | YEARS | | | | 0414 |
| | | | | | 7 L L | r Alfras | | | | | | | |
| | _ | | | | • | LASS | | | | | | HOURS | 1 L S T |
| | - | | | | cox | DITION | | | | . | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | : 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 · 55 | ≥ 56 | • | MEA WIN SPEE |
| N | † · | • | <u> </u> | | | | | | | | | • | |
| NNE | • | 1. | 1.7 | : :• | • | • | | | | | | 1. | |
| NE | • | • 7 | 2. | | | | | - | * | | | • | , - |
| ENE | | | | • 7 | - | • | • | • | + | | - · - • | | : |
| E | | • | 1 | • " | • | • | • - | • • • | • | • • | | : • | - 1 |
| ESE | | • 7 | | • 7 | | • | • | • | • | · | | 1 • | |
| SE | 1. | • | • | | • ——- | | • | • | • | | | 1. | - 4 |
| SSE | | 1. | • | . , | • | • | • | • | • | | | | , |
| S | 1. | 1. 7 | • | • | * | • | | • | • | • | • • • • • • • | • | 3.1 |
| ssw | # | 1. | 1 - 1 | . 7 | 1. | | | * | • | ·• | • | | - |
| sw | • | | 1. | | • 7 | | | | • | • • • • • • | | • | 1 5 |
| wsw | | 7. | 7 | 4, , 3 | 1.7 | 1. | | • | • | | | • | 1 1 |
| w | | | • | 3.7 | 1. | • | | • | • . | • | • | | 1 - |
| WNW | • | 1 | 1. | | | * | • | • | • - | • • • • | | • | 1.1 |
| NW | • | | 1. | 1.7 | • | • | • •- | • | • | • • | | | 1 |
| NNW | 3. | • 7 | • | | • | • 7 | | • | • | | - | • | 11 |
| VARBL | 1 | 1 | • | . — — — ! | | | ·- · · · | | • | | • | | |
| CALM | | | | >< | | | | | | | | • | |
| | , . | | | . , | | | 1 7 | | | T | | | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER DURYES. DETACHMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12.

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ٩ | MEAN MINI SPEED |
|-------------------------|---------------------------------------|-----------------|-----------------|---------------------------------------|-------------|---------------------------------------|-------------|--------------|---------------|--------------------------|------|-----|-----------------------|
| N | • | ~ . | ` • | | . , | • | | | | | | • | 1 |
| NNE | i • | 1. | :• | • | | | | | • | · | _ | • | • |
| NE | • | 1. | • | • ' | | • | | | | • | | | • |
| ENE | • | • | • | | | | •• • • • | | | | | • | • • |
| E | • | | · | • | • | | • | • | | | • | • | • |
| ESE | | | | | | | | | | | | • | • |
| SE | | | • | | | | • • • • • • | • | - ···• | | • | | |
| SSE | - | | | | 1. | | | | | - | - | | |
| s | · · · · · · · · · · · · · · · · · · · | | | | | | | | | - | - | | - ; - |
| \$5W | | | | · , · | | | . – . – – . | | | | - | | |
| 5W | | | | 1.7 | | | | • • | | | | | • :. |
| wsw | | | | | | | | | | | - | | |
| | · | - - | · | | | - - | | · · · · · · | | - | - | | |
| <u> </u> | ·- ································· | · • | · | · - • · ; • | | · · - ,- · | | · · · · · | | • | - | | |
| WNW | ·· ; • | · · · | | · · · · · · · · · · · · · · · · · · · | • • | | · - · •· · | | | | - | | |
| NW . | · • · · · | • | - - | · | | | | | | | | | . ;, |
| NNW | ·• | | . i t. . | - · · | • • | | | | | | | . • | . :: |
| VARBL | | - <i>-</i> | <u> </u> | جسرون جاجي | | , , , , , , , , , , , , , , , , , , , | جر ہ | , | . . | بمجند ي | | | - |
| CALM | | >< | >< | _><< | | >< | | | \rightarrow | - | | • | |
| | | 1 • | 2 | | | | f | • | T | ±= ε.ε= - ' '∀' . | | | * |

TOTAL NUMBER OF OBSERVATIONS

YEARS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 1 7 1 4 | | · , • | |
|---------|--------------|-----------|---------------|
| STATION | STATION HAME | YEARS | WONTH |
| | | CLASS | HOURS IL S.T. |
| | | COMPITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | : 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|------------------|---------|---------|---------|-----------|---------|---------|-----|---------|-----------------------|
| N | • | 1. | • | • | 1. | | | | | | | 1 . | 1 |
| NNE | | 1 | `• | : • ⁻ | • 7 | • - | | | | | | • | 17. |
| NE | • | 1. | 1. | | • 7 | | | | | | | | |
| ENE | • - | • 7 | 1. | • 5 | | | | | | | | • | : |
| E | • 1 | 1. | • | . 7 | | | | | | | | | - - |
| ESE | . 1 | 1. | • | • | | | | | | | | | • |
| SE | • ' | | | • 7 | | • | | | | • | | • | 1 |
| SSE | | | • | | • | | | | | * | | · · · | • |
| 5 | ١. | • - | ٦. | ~ , ; | | • 7 | | | • | • | | 7. | 11. |
| SSW | † | • | 1. | 1. | 7 | • 3 | | · | • | • | | 4 | 17. |
| sw | • | 1. | | 2. | 1.7 | 1. | | | • | | | | 1 . |
| WSW | • | 1. | 14 . | τ | . 7 | 1. | • | 4 | | | | 1 i. | 1.5. |
| w | | | • | | | | • | | - | • | | 1 | 17. |
| WNW | | • | • - | • 7 | . 7 | | | • | | | | | - |
| NW | | • | • 1 | 1. | ., | | | | | • | | | 1. |
| NNW | | • ¬ | · . | 1 • 7 | 1.3 | 1. | | | | · | | • | 1 . |
| VARBL | 1 | | | | | | | | | · + | | | |
| CALM | | >< | >< | | | >< | | | | | | • | |
| | | 1 | 2 . | 3 | 1 • 7 | 7 | 1.7 | . 7 | F | * | | 1 (, , | 11. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME

STATION NAME

VEARS

VEARS

VEARS

HOURS ILS T

COMDITION

| SPIED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | . 41 - 47 | 48 · 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|----------|--------|-------------|----------|--------------|-------------|-------------|-----------|-------------|-------------|---------------|-----------------------|
| N | | j. | u " · | | 2.5 | • | | | | | | 1 - • 3 | 12. |
| NNE | | • | 1. | 1. | 1.7 | | | | | | | | 11. |
| NE | | • | ₹. | • 3 | • ₹ | . 7 | | | | • | | • | |
| ENE | • | 7. | 4." | 1.3 | • 7 | | | | | | | | · · · · · · |
| E | • 7 | 1. | • - | . 7 | | - | • | | • | | | • | 77. |
| ESE | • 1 | | 1. | | | | | | • | + | | 1. | • • |
| SE | | • 7 | . 7 | | • 3 | | | | | • | | 1. | 1 |
| SSE | | | 1.7 | . 7 | | • | • | | | | | 7. | 10.5 |
| 5 | • | • 7 | ~ , 7 | 7,7 | 1.7 | • 7 | | | | | | | 12. |
| ssw | | | • | . 7 | | | | | | | | · · · · | 11. |
| sw | • * | | • | 3.7 | i • 7 | 1.7 | 1. | | • | | | | 1 . 4 |
| wsw | | • ` | 7 | | 1.7 | 1 • 7 | | • | | · | | 13.3 | 1 |
| w | | • , | 3.7 | · • 7 | 1.7 | 1. | | • | | • | | 11. | 1 |
| WNW | | | 1. | 1. | • ? | | • 7 | | | | | • • • | 14.0 |
| NW | | | • | 1. | | • | | | | + | | | 1, • |
| NNW | | • | 1. | 4 . | 1. | • | | | | | | . 7 | 1 |
| VARBL | | | | | | | | | | • | | | |
| CALM | >< | $\geq <$ | >< | $\geq \leq$ | $\geq <$ | $\geq <$ | $\geq \leq$ | $\geq \leq$ | $\geq <$ | >< | $\geq \leq$ | :• | |
| | | 1 - • - | , | 30.7 | 17.3 | | 1., | 1.1 | | | | 10. | 1.7. |

TOTAL NUMBER OF OBSERVATIONS

C140C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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|-----------|---------------------------------------|--------------|----------------|-------|-------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | ALE 36 4 148 1 | | : |
| | | | CLASS | | HOURS L S T |
| | | | | | |
| | | | CONDITION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-------------------------------|---------|-----------------------|
| N | • | 1. | 14 e | 4.7 | | • | | | | • | | 1 7 . 7 | 1 . |
| NNE | | • | ٦. | • 7 | • 7 | | | | | | | • | |
| NE | | 1." | 7. | 1. | | | | | - | • | | | 7. |
| ENE | • 1 | 1. | 7.7 | 1.7 | | | | | | | | | · · · 7. |
| E | • 1 | 1 • ? | • 7 ! | | • | | | | | • | · · · · · · · · · · · · · · · | * : | |
| ESE | | • 1 | | | | | | | | | - | 1.1 | <u> 1</u> |
| SE | • | | ! • 7 | | | | | | | • | | | |
| SSE | | (.7 | 1. | • | • 7 | | | | | • | | | |
| S | • | 1 • | 4. | 2. | 1.7 | • , | | | | | | • | 11 |
| SSW | • | • 7 | • - | | 1. | | | | | : | | • | 11 |
| sw | | | - | 7 • ' | 1.7 | 1.7 | | 1.0 | | | | • | 1 7 |
| wsw | | | 4." | . • ** | 7.3 | | | | - | | | 1.7. | 13 |
| w | | | 11 . | € • " | ₹. 7 | 1. | • ? | . 7 | | | · - · · · · · | 1. | 15, |
| WNW | | | • | 1. | 1. | • 3 | | | | | | • | 1 |
| NW | | • ' | 1.7 | 1.7 | | • 7 | | | | | | | 11. |
| NNW | • 1 | • 7 | 1. | 7. | 1. | | | | | ! | | • | 11. |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | >< | >< | >< | >< | > < | > < | | | • | |
| | • 7 | 17.7 | 34.7 | 27.7 | 14.7 | 4,7 | • * | 1.7 | | | | 1 . | 1 7 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 4 | ATA , AF | | 73 - 02 | | 5.68 |
|---------|----------|--------------|----------------|-------|--------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | ALL OFATHER | | 1 ^ |
| | | | CLASS | | HOURS (L S T |
| | | | | | |
| | | | CONDITION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | · 28 · 33 | 34 - 40 | , 41 - 47 | 48 - 55 | ≥56 | • | MEAN WIND SPEED |
|-------------------------|-------|----------|----------------|----------|----------|----------|-----------|---------|--------------|-------------|-------------|-----------|-----------------------|
| N | | 7. | £ . | 7.7 | . 7 | | | | | | | * | • * |
| NNE | ! • | 7. | | • 7 | 1." | | | | | | | <u> </u> | |
| NE | • | | 1. | | | | | | : | | | 2. ? | 7. |
| ENE | • | 1.3 | 7.3 | • ? | | | | | | • | | 4.7 | 5.1 |
| E | • | 1.7 | • 7 | | | | | | | | • | 2.5 | |
| ESE | , | 1. | • 7 | . 3 | | | | | | • | • | . • | • ? |
| SE | ! • | 1.7 | • 7 | | • : | | | | | i | • | 3 | 5.0 |
| SSE | • | | 1. | • - | | | | | | 1 | | | 7.7 |
| 5 | • | 1.7 | 7. | 7.7 | • 7 | • 7 | | | | | • | - • | 11. |
| SSW | 1. | • | · | | • | • 7 | | | | | | 4.3 | . 6 |
| SW | • | 7.3 | 2.7 | : , ₹ | 1.7 | 1.5 | | | | 1 | : | 11.7 | 17. |
| wsw | | 1. | - • | 3.3 | • 7 | • 7 | .7 | | 1 | | | 0.7 | |
| w | •• | 1. | * . 7 | 3.3 | 7, 7 | 1. | • 3 | | | | | 1. | 12.5 |
| WNW | • | • 7 | • 7 | . 7 | | | • 7 | | | | : | 7.0 | 117.5 |
| NW | • ' | • : | 1.7 | 1. | 1. | | | | | | | 4. | 12. |
| NNW | 1. | 1. | ₹. | 7.7 | . 7 | • - | | | | | | e . 7 | 17. |
| VARBL | | | | | | | | | | i i | | | |
| CALM | | \times | \times | \times | \times | \times | \geq | \geq | \geq | \geq | | 4. | |
| | | 21.5 | 17.7 | 21.7 | 9.7 | 4.7 | 1.7 | | | | | 1 " " • " | • |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . 4 | A 12 . 42 | 7.7 🕳 T . | , |
|---------|--------------|-------------|--------------|
| STATION | STATION NAME | YEARS | MONTH |
| | | ALL UTATHER | 2.2 |
| | | CLASS | HOURS (L S T |
| | | | |
| | | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | , 41 - 47 48 - 52 | 5 ≥56 | • | MEAN WIND SPEED |
|-------------------------|------------|--------------|--------|---------|---------|---------|----------|---------|---------------------|-------------|--|-----------------------|
| N | • 7 | 1. | 7.7 | 1.7 | 1. | • 7 | | | | | 7.7 | 10.0 |
| NNE | * 3 | 1.3 | 1 • " | 1. | . 1 | • 7 | | | | | 7. | 7.5 |
| NE | | 1. | 1. | | | | | | | | 3. | 0.5 |
| ENE | • | • | 1. | | • 3 | | | | | | 7. | . 4 |
| E | | | • '' | • 7 | | | | | | | 1. | 17.7 |
| ESE | 1. | • 7 | 1 • | | | | | | | | | 4.5 |
| SE | 1 • 1 | 1. | | • 7 | | | | | | | 7 2.3 | 4.4 |
| SSE | • | 1. | • | | • • | | | | | | 7 | €.5 |
| 5 | , 7 | 7 • " | • 7 | | 1.7 | • | | | | | 7. | 11.7 |
| SSW | • 1 | 1. | 1.7 | 1.7 | | 1. | • 3 | | | | | 11.5 |
| SW | 1 • " | 1. | 3. | 7.7 | 1. | • 7 | • 3 | | | | <u>" </u> | 13.7 |
| WSW | :• ` | 2.7 | fi. | ₹.3 | 1.5 | 1. | | | | | 1 | 10.5 |
| w | • ' | ?• ? | | 2 • 3 | • 3 | • | | | | | | 17.7 |
| WNW | • | • | ., | 1.7 | | • 7 | | | | | 7. | 17. |
| NW | • 7 | • , | 1. | • ? | • 7 | | | ·/. | | | | • |
| WNN | • 7 | • 7 | | 2. | 1.7 | • 7 | | | | | • | 11. |
| VARBL | | | | | | | | | | _ i | | |
| CALM | \searrow | >< | >< | | > < | >< | $\geq <$ | | | | 12. | |
| | 11.3 | 15.7 | 25.7 | 10.3 | | ٢, ١ | , 7 | 1 | | į | 1 10 • | . 7 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 7 4 | А д - Д - | 77 - 2 · | ୁଣ୍ଡ |
|---------|--------------|-------------|--------------|
| STATION | MAN HOITAYS | YEARS | MONTH |
| | | ALL WEATHER | ALL |
| | | CLASS | HOURS IL S T |
| | | CONDITION | - |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|----------------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1. | 2.0 | 3.0 | 1.2 | • ? | | | | | | 1 . | 17.4 |
| NNE | • 7 | 1.7 | 1 | 1.2 | • 5 | • 7 | | | | | | | 9.3 |
| NE | | 1.1 | 1.7 | . 4 | • 7 | • ` | | | | | | 4.1 | 7.7 |
| ENE | • 4 | 1.1 | 1 • " | • 6 | • ! | | | | | | | 2. | 7.7 |
| E | • 1 | • 5 | • fs | • 3 | • 1 | • | | | | | | 2.1 | 3.0 |
| ESE | | • | · U | • 7 | | | | | | | | 1. | ٠, ٤ |
| SE | | • 1 | • 1 | • , | • 1 | • | | | | | | 1. | 7.0 |
| SSE | • | 1. | 1.7 | • - | • 7 | • 1 | • | | | | 1 | 3.2 | 7.7 |
| 5 | • | 1.1 | | 7.7 | 1.7 | • = | • " | • 1 | | | | 7 • ′ | 11.5 |
| SSW | • | • | 1 • • | • 6 | į. | • " | • .? | • 7 | | | | 4.5 | 11.6 |
| sw | • | 1.1 | 2.1 | 2,7 | 1.7 | 1.1 | . 4 | • 3 | | | | 0. | 13.5 |
| wsw | • 1 | 1. | | 4.2 | 1.7 | 1. | • | • ^ | | | | 12. | 12.1 |
| w | • • | • - | ? • | 7.0 | 1.7 | • 7 | • ? | • 1 | | | | 12.3 | 12.3 |
| WNW | • 1 | • 3. | 1.7 | . 7 | • 7 | • 1 | 2 | • 1 | | | | 3.0 | 13.4 |
| NW | • | • | 1 • ₹ | 1.^ | • 7 | • ? | | | | | | 3 • | 11.5 |
| NNW | • £, | • | 1.7 | ? • " ` | 1.0 | • 5 | | | | | | 1 , ? | 11. |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | >< | >< | >< | >< | >< | >< | | >< | 7. | |
| | | 15.0 | 26.2 | 24.0 | . 7 | ٠, , ۲ | 1.3 | • 5 | | | | : ^• | 10.5 |

TOTAL NUMBER OF OBSERVATIONS

241.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 17 4 | 474 | · , A· | | | | | 73-1 | | | | | | ~ r, • | | |
|---------|-------------------------|--------|---------|--------|--|---------|---------|---------|---------|----------|--|-----|--------|-----------------------|--|
| STATION | - | | STATION | HAME | | | | | | YEARS | | | | - | |
| | | | | | | ALL W | ATHER | | | | | | | • | |
| | | _ | | | | | A\$\$ | | | - | | | NOUR | SILST | |
| | | - | | | <u>. </u> | CON | DITION | | | | | | | | |
| | | _ | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | * | MEAN WIND SPEED | |
| | N | 1. | 1. | 1.1 | 2.5 | • 4 | | | ! | <u> </u> | | | ! | | |
| | NNE | • 1 | • 7 | 1.7 | 1.0 | . 3 | • ₹ | | | | | | 7. | 10. | |
| | NE | • 1 | | . 7 | 1. | • 3 | | | | | | | 1. | 12.0 | |
| | ENE | 1 | • ` | | 7.0 | 1 . 4. | • 7 | | ļ | | 1 | | 5.5 | 14. | |
| | E | 1 | | | • 3 | • 3 | | | | | | - | 1. | | |
| | ESE | 1 | • | | • 5 | | | | | 1 | | | 1.7 | , , | |
| | SĒ | | | | . 7 | | | | + | l. | | | • | | |

| E | | | • 1 | • 3 | • 3 | | | | | | | 1. | 12.7 |
|-------|------|-------|------------------|------------|------|------|-----|-----|----------|---|---|----------|---------|
| ESE | | • | | • t | | | | | | | | 1. | • • 3 |
| SE | • | | | • 3 | | | | | | | | • 4 | 7.0 |
| SSE | • 1 | • " | • 7 | 1.3 | . 3 | | • 7 | | | | • | 7.2 | 12.2 |
| 5 | • 7 | 1 . ? | 1. | 1.0 | 1.7 | • / | | | | | Ī | 5.7 | 11.5 |
| SSW | | • * | • 3 | 1. | • 5 | | . 7 | . 3 | | | | | 13.7 |
| sw | | | • ⁴ . | 1 - 6 | 1.7 | 1. | 1.5 | | | | | 9.1 | 1 5 • 5 |
| wsw | • 7 | ₹. □ | 1.0 | 7.2 | 1.7 | 1. | • 3 | | . 7 | | 1 | 1. • 7 | 17. |
| w | 1.3 | E . 3 | 2.7 | 2.3 | 1.5 | 1. | • 4 | • 3 | | | 1 | 1 | 11.2 |
| WNW | • * | • 7 | ₹•″ | 1.3 | . 6 | • 3 | | • 3 | | | | 8.5 | 17. |
| NW | • (| • 3 | ?•7 | 1.6 | 1.0 | | | | | | | 5. | 1 . 2 |
| NNW | | 1.3 | 1., | 2.6 | • 4 | | • * | | | | 1 | <u> </u> | 12.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | \searrow | >< | >< | >< | | $\geq <$ | > | | 3.7 | |
| | 10.0 | 16. | 17.4 | 24.5 | 11.6 | 5. " | 3.5 | 1.7 | • 3 | | | 10. | 1' • 7 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . 4 | A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | <i>1.</i> ? ← ≪ | |
|---------|---|-----------------|--------------|
| STATION | STATION HAM | YEARS | WORTH |
| | | 7LE STHE™ | ^ u |
| | | CLASS | HOURS (L S T |
| | | | |
| | * | COMBITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|----------|-------|--------|---------|------------|---------|-------------|---------|---------|---------|------|-----------|-----------------------|
| N | • | 1. | 1 . | 1.0 | , £, | | | | | ÷ | | · · · · · | ^ • · |
| NNE | | ! • | 1 • | 1.0 | 1. | | | | | | | | 1 • 6 |
| NE | | | 1. | 1. | • 7 | | | | | | | | 12.4 |
| ENE | | • | | 1. | | | | | | | | ₹. | 10. |
| £ | | • | 1 | 1. | . 7 | | | | | | | 3. | 17. |
| ESE | • | | • 7 | | | | | | | | | | • |
| SE | • | | • | | | | | | | | | • - | . • . |
| SSE | | . 7 | • 1 | • • | . 3 | | | | | | | 1.0 | 7 . |
| S | • | | 1.7 | 1.4 | I• ~ | • / | • 6 | | | | | F . C | 14.7 |
| ssw | • | • | 1 • 7 | ٠ ٦ | • 5 | | • * | • .7 | | | | 5. | 11.2 |
| sw | , • | 1. | 1. | ₹.5 | 1. | 1.7 | . €. | | | • * | | ;?• | 14.4 |
| wsw | | 1. | 1 • 4 | 3.2 | l•° | • : | | • | | | | 11. | 11. |
| w | <u> </u> | 4.5 | 2.* | | • £ | • 5 | • 7 | | | • | | 1. | 1 . ^ |
| WNW | • 1 | 1. | 1. ' | 1.7 | • 3 | | | • * | | | | 6 . 1 | 1 • 1 |
| NW | • 1/ | • 4 | | 1.0 | 1.0 | 1.5 | | | | ! | | | 17.1 |
| NNW | | • | 7.0 | 2 • 3 | • 5 | • * | | | | | | 5. | $-1.7 \cdot 1$ |
| VARBL | | | | | | | | | | | | | |
| CALM | | >< | >< | >< | >< | >< | >< | >< | >< | >< | >< | | |
| | 11.7 | 14. | 27.7 | 22.3 | 17.0 | u. | 2.3 | 1.3 | | • 7 | | 1 i.* | 1 . |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . 7 4 | No 20 , 40 | 7.7 = 0 | - |
|---------|--------------|-------------|-------------|
| STATION | STATION HAME | YEARS | MONTH |
| | | CLE REATHER | . • |
| | | CLASS | HOURS LST |
| | | | |
| | | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|----------|---------|---------|---------|---------|-------------|-----|----------------|-----------------------|
| N | • | * 3 | 1.1 | • 1 | 1. | | • 1 | | | + | | • • • | |
| NNE | 1. | :• " | 1.7 | ! • * | 1.3 | | | | | | | - | - 15.5 |
| NE | | | • | • , | 1. | | | | | | | 1. | 1 |
| ENE | | • | • 7 | 1.7 | • 3 | • | | | | | | • | 11.6 |
| E | • ` | | • | • (| <u> </u> | • | | | | | | $=\frac{1}{1}$ | 11.7 |
| ESE | | | • | • ' | | | | | | | | 1. | 11.7 |
| SE | • | | | | | | | | | | | • | |
| 358 | | 1. | 1. | • ' | • • | • | | | | | | 3. | 1.7.1 |
| 5 | | 1. | 1. | 1. | • 6 | | • - | • ? | | | | T | 12.5 |
| ssw | | • | 1. | • f | • 4. | • " | • 6 | • 7 | | | | 7 | 16.4 |
| SW | 1 • " | 1. | 1. | 7.6 | 1 • 4 | 2 • ₹ | • 3 | | | | | 11. | 1 4 |
| wsw | • | `• | | ~ 3 | | • ' | | | | | • | 10.0 | 11.1 |
| w | | • | 45 📲 | 7.1 | 1. | 1.7 | | | | | | 11. | 17.1 |
| WNW | • | 1. | 1. | • | • ₹ | • 7 | | | | | | | • * |
| NW | | i • | 7. | • ^ | | | | | | | | | 10.0 |
| NNW | • | • ' | 1. | 7.0 | 1.3 | | | | | | | 1 | 37.1 |
| VARBL | | | | | | | | | | | | <u> </u> | |
| CALM | | >< | >< | | | | >< | | >< | | | 14. | |
| | | 14. | 2.7. | 10.0 | 11.4 | · · | 1.4 | 1.3 | | | , 7 | 1.7. | 1 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| · · · | . 4 | ''- | | ´ ~ • |
|---------|--------------|---|-------|---------------|
| STATION | STATION NAME | *************************************** | YEARS | MONTH |
| | | L2 47 \$7 452 | | 2 |
| | | CLASS | | HOURS . C S T |
| | | | | |
| | | CONDITION | | |
| | | | | |
| | | | | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 26 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ` | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|----------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | • | · · | • | 7.5 | • 6 | • 7 | | | | | | 11. | 1. |
| NNE | | • | ١., | 1 | i . ' | 1 • | | | | | | • | 14 |
| NE | • | 1. | • 7 | 2. | • 7 | • 7 | | | | | | 4. | • 5 |
| ENE | • | • ' | 1. | 1. | 1. | | | | | | | 7. | 11. |
| £ | • | | - | 1. | | | | | | | | 1 • • | |
| ESE | • | • | • - | • *. | | | | | | | | | 7.7 |
| SE | | 1. | • 7 | • 7 | | | | | | | | 1. | 7 . 1 |
| SSE | • | 1. | • * | • 7 | • | | | | | | | 2.4 | • |
| S | • | 1. | 1. | 1.1 | • 6 | . , | | | | • 7 | | t • ° | 10. |
| SSW | | | • | 1. | • • | • ' | | | | | | • | 14.4 |
| SW | | • | | 2.7 | 1.0 | 1 | • 5 | • ' | | • 7 | | :1. | 17. |
| wsw | • | | 7. | 7.5 | 1.7 | 2 • 1 | • ** | • ? | | | | 11.7 | 1 . 1 |
| w | • | 1.0 | ٤.٠ | 7. | 1.7 | • 1 | | | | | • | 17. | 10. |
| WNW | | :• | 1.7 | 1 • / | • 5 | | | | | | | 4 . | $-1^{-5} \cdot 7$ |
| NW | | | 1.0 | 1.7 | . 7 | | | | | | | •• | 11.4 |
| NNW | • | 1 • • | 1.0 | 7.6 | 1.6 | • 7 | | | | | | | 11. |
| VARBL | | | | | | | | | | | | | |
| CALM | | >< | >< | >< | $\geq <$ | >< | >< | | >< | | | | |
| | | 1 | 24.5 | 36.5 | 11.5 | 7.4 | 1.6 | 1.0 | | • 4 | • 1 | 1 7. | 1 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | A 5 | A A | | | | | • • • | | | | | | | - |
|---------|----------------|-------|--------|--------|-------------|-------------|-------------|---------------|-------------|--------------|-------------|---|-----------------|---------|
| STATION | | | STATIO | KAME | | | | | | EARS | | | | 0*** |
| | | | | | | LL | | | | | | | | : ' |
| | | | | | | CI | A55 | | | | | | HOU #5 | |
| | | _ | | | | COM | ITION | | | | | | | |
| ! | SPEED | | | | | | | | | , | | ~ · · · · · · · · · · · · · · · · · · · | v. = | MEAN |
| | (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ` | SPEED |
| | N | • | • ' | 4.5 | 4.7 | . • . | • | | | | • | | 1. | 1 |
| | NNE | • | 1. | 1." | . • 7 | | • 1 | | | | | . — | • | 1 |
| | NE | | • | 1.1 | 1. | • - | | | | | | | • | 1 . |
| | ENE | • | 1.0 | 1. | . A. | | | | | | | • | • | 1 |
| | E | | · • | 1. | ! • * | ٠ ٦ | | | | | | | • | • 1 |
| | ESE | | | • | | | | | | | | | | • 7 |
| | SE | | • | 1. | • | • 7 | • * | | | | | | • . | 11. |
| | SSE | | | • | | | • • | | | • | | | | 17. |
| | \$ | | 1 | • | 1.7 | | | | | | | | | 1 • 4 |
| | 55W | | • ` | | | 1. | 1.5 | | | • | | | 4. | |
| | sw | • | • 7 | 1 • | 1. | 5.3 | | 1. | • 3 | | . | | | 1 • |
| | wsw | • 5 | • | 1. | 4. | | 1.^ | | <u>.</u> 6 | | • | | , | 1 • |
| | w | | | • | 5.2 | 1.7 | 1.7 | <u> </u> | | • | | | 10. | 1 4 • 3 |
| | WNW | i | | | 1.7 | ! • ' | • 7 | ·- · · | | | <u>.</u> | | <u>.</u> . | 1 * • 1 |
| | NW | | • | | 1 • ' | • ? | 1. | | | | . | | | 1 - • 1 |
| | NNW | | 1.0 | 1 • | 7 | 1.4 | • | | | | • | | • | 1 |
| | VARBL | | | | | · | | | | . , | <u> </u> | | | |
| | CALM | >< | >< | >< | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | \sim | $\geq \leq$ | | 1. | |
| | | . • | 11.7 | 27.1 | 24.0 | 14. | 11. | | 1. | | | | 1 . | 1 . |

TOTAL NUMBER OF OBSERVATIONS

NANAE MEATHAL ERLOG THE FACINES NO ASHEVILLE NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SPEED (KNTS) I DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ` | MEAN WIND SPEED |
|---------------------------|-------|-------|-------------|--------------|---------|---------------------------------------|-------|-----------------|---------|--------------|---|-------|-----------------------|
| N | • | 1. | • | • . | • | | | | | - | | | 11. |
| NNE | • | • | | | | • | | · — | | | | | 11. |
| NE | • | 1. | . • | 1. | • 7 | | | | · • | | • | • | • |
| ENE | • | i • | • | • | • | | | | | - | | ٠. | • |
| E | • | | · · · · · · | 1. | • | • | | · -• | • | • | • | - • * | 11. |
| ESE | | • | • | • • • | • | • | | • | • | | | 1. | · , |
| SE | 1. | • | · · · · · | | • | • - | | | • | • | - | 3. | • |
| SSE | • | • | 1. | • | : | • | | | • | • | | ٠. | · , . |
| S | | • | 1. | | • | • | | | | • | - | . • | ` · • ' |
| ssw | | | • | | | · · · · · · · | | | ٠ | • | • | | • |
| sw | • | • | · · · · · | | | 1. | • | • • • | • | • | • | 11. | · |
| wsw | • | • | | | 1. | • • | | •• | • • • | | ** | • | 1 . |
| w | | • | | 7 . 1 | •• | · · · · · · · · · · · · · · · · · · · | | • • | • | • | - | | 1 |
| WNW | | • | · 1. | ~ | | • | , | | • | | - | • | 1 . |
| NW | | • | 1. | 1. | 1. | ·• | | • • | • | • | - | | • ::• |
| NNW | | | • | | 1. | · · · - · | | • | • | • | | • • • | 1 . |
| VARBL | | | | | • | | | • - · • | • | • | ** | • | |
| CALM | >< | | | | | | | ` `\~{_* | | | . yan | • | |
| | • | 1 , , | 3 | 21.0 | 1 . | · | ` ` ` | . 7 | ·= | • ' | • · · · · · · · · · · · · · · · · · · · | | 1 . |

TOTAL NUMBER OF OBSERVATIONS

SMOS

#05TH

3.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | _ | | | | · · · · · · · · · · · · · · · · · · · | ASS | | | | | | HOU | ns s * |
|-------------------------|----------------|----------------|--|---------------------|---------------------------------------|-------------------------|-------|---------|----------------|--------------|------|--------------|--------------------|
| | - | | | | CON | DITION - | | | | <u>-</u> | | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 . 27 | 28 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | •, | MEA WIN SPEE |
| N | • | | | • | | | | | | | | 1. | 1 |
| NNE | • | , , | • | 1. | | | · • | | - — | | _ | • | • |
| NE | • | · · | 1. | • | • | • | • | | | • — | | | 1 1: |
| ENE | | • | | • | • | | • | | • | · | | | · ; |
| £ | - | • | | 1. | • • • | | • | | • | • | | | : |
| ESE | | • | • • • | | - • | | | | • • | | | ** | • |
| SE | | • | | • | | | • | | • | | | ·· | 1 |
| SSE | | | • | | 1 | | | | • | • | | - 1. | 1 |
| s — - | <u> </u> | , , | | | · · ·• | • | | | • - | • | | • | • • ; |
| SSW | • | · \ | | | ·- · · · | | | - | • | | | - | |
| 5W | •—-— | | | ···· | | | | | • | · | 144 | - | |
| W5W | , | 1. | — , , , , , , , , , , , , , , , , , , , | | 7.5 | | | | • | | | - | · - |
| w | - | · | | 1. | $-\frac{1}{1}$. | 1 - 7 | | | • | | | - | 1 |
| WNW | | | | 1 | | · · · · · · | | | • | | | - | |
| NW | | 1. | <u>1</u> - | | 7 6 | | | | • | • | | | 1 |
| NNW | | | | · - -: • | | · · | | | • | • | | - , | i |
| VARBL | | · - : - ! | | | • • - | | | | • | • | | | • |
| CALM | | | | | | > | | | | | | | |
| | | | | • | 1 ! • · | • | 1 | • ' | | | | | 1.1 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | | | CON | DITION | ē - ē | | | | | | |
|------------------------|-------|---------------|--------|--------------------|---------|-----------------------------------|-------------------|-------------|---------------|---------|------|----------------|--------------------|
| | | | | | | | | | | | | | |
| SPEED KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | a _c | MEA W.N SPEE |
| N | • | • | | • | • | | | | | | | | · - |
| NNE | . • | 1. | | • ~ | • | | | | _ · · · · - • | - ' | • | • | • |
| NE | • | • | | • . | • | · — · · | | | | | | | 1 : 1 |
| ENE | • | • | · • | 7 | | • | | | | | • | | |
| E | • | | • ' | • | - · · • | | · • | | | | • | | • |
| ESE | • | - | | · · _ - | | | | | | | • | • | • |
| SE | | | • | | | | · · • · - · · · | | • | | | • | 1: |
| SSE | • | • | • | •,* | | | · · · · · · · | • • | • | | • | • | • |
| 5 | • | Y . 7 | | 1 . | | · · · · · · · · · · · · · · · · · | • | • | • | | | | • 1 |
| ssw | | • | • | • | • 7 | • | · · · · · · · · · | • | | | • - | · . | , |
| sw | • | · | 1. | | 1. | 1. | | • | • | | • | | . ! |
| wsw | | • | | • | 1. | - 1 · | | | | ' | • | | |
| w | • | • | | , | • | 1.7 | | • • • • • • | | | • | | · : · |
| WNW | • | · · | + | | • | • | ·-· ·• | • | | | • | "·· | • • • |
| NW | • | | · · · | • | • 7 | | | | • | | - | | |
| NNW | • | 1. | • | , | ; | • | • | | | | | • | ii |
| VARBL | | | | | | | - ·-···• | • | • | | • | • | • |
| CALM | | $\geq \leq$ | | | | | | `` | | | | • | |
| | | | | · · · · | • " | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1 E A 8 S

NAVAL WEATHER OF RVICE OFTACHMENT ASHEVIELE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | *12,10 | | | | | | • | LARL | | | • | , m (n |
|---|----------------|-------|--------|----------|-----------------|---------|-------------|---------|---------|---------|---------------------------------------|--------------|---|---------|
| | | | | | | L.L. | Z * | | | | | | * | .L |
| | | | | | | Cı | ASS | | | | _ | | HOURS | . 5 7 |
| | | | | | | | | | | | | | | |
| | | | | | | CON | DITION | | | | | | | |
| | | | | | | · | | | | | | | | |
| Г | SPEED | | | Τ | | ; | | | | | | | | MEAN |
| | (KNTS) DIR. | 1 . 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | WIND |
| Г | N | | 1. | ~ • | | 1.7 | • 1 | • 1 | | | • | | • | 1 . 7 |
| | NNE | • | • | 1. | | • ' | • | | | | | | • , • | |
| Γ | NE | • | • ` | • | 1. | • 1. | • ! | | | | ·· · | | • • | 17 |
| Γ | ENE | • | • | | 1. | • | • , • | | | | | | | : ī • · |
| Γ | E | • | • | • 7 | | | • ! | | | | ·· | | | 1 . |
| | ESE | | | | • | • | | ·· | | | | - | 1. | • |
| | SE | • | • | • | • | | • | | | | • | | 1. | |
| | SSE | • | • | 1. | • * | . 4 | • • • | • | | · , | * · · *· | | · | 1 . |
| Г | S | • | `• | | 7. | | • | • . | . 1 | | · · · · · · · · · · · · · · · · · · · | · · — · · • | · · · · · · · · · · · · · · · · · · · | 10.0 |
| | \$5W | • | • | • | • | • | • | | • 7 | | • • | | • • • | 17 |
| | sw | • | • | 1 , , | | 1. | 1. | • 7 | • .7 | • | • | · · | · · · · · | 11. |
| Г | wsw | | ١. | • | | 1. | 1.5 | • | • 7 | | | • | 1. | 1 . |
| Г | w | | • ` | | | 1.1 | 1.1 | | • | • | • | • | | 1.5. |
| | WNW | • | · . | • | - . | • ' | • | • • | • 1 | • | • | | | 11. |
| | NW | • | • | | 1 | | • | • | | | • | - | • | 11.1 |
| | NNW | • | | 1. | | | • • • • | • | | | • · · · · · · · | - · • | | 1 ~ • • |
| | VARRE | | | <u> </u> | | | | | | | • | · ·• | • | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | A | | * * - | | |
|---------|---|--------------|--|-------|-------------|
| STATION | | STATION HAME | | YEARS | |
| | | | ត្ <u>ត</u> ខុស្ត្រី ± តែ + ²⁰⁰ ° | | |
| | • | | CLASS | | HOURS . S T |
| | | | | | |
| | • | | CONDITION | | |
| | | | | | |
| | • | | | | |
| | | | | | |
| , | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|-------------|---------|-------------|-------------|------|---------------------------------------|-----------------------|
| И | | 1. | • | 1. | 1.07 | • - | | | | | | • | 1.3. |
| NNE | | • 7 | 1. | 1.7 | • 7 | | • | • | | • | | | 1 |
| NE | | • | 1 • | 1. | . 7 | . 7 | | | | • | | | 1 . |
| ENE | | • " | • | • 7 | • 7 | • 7 | • 7 | | | | | . • | 3 |
| F | • " | • ` | • ~ | • 7 | • 7 | | | | | *** | | • • • | |
| ESE | | | | | | | | | | | | | |
| SF | | | | • 7 | • ? | | | | | • | | 1. | |
| SSE | | • | 1. | ! • | • | | • 7 | • ' | | | | | 1 |
| 5 | • | 1. | 1. | 1.7 | • | 1. | | | | | | 5 • 7 | 12. |
| ssw | • | 1 • 7 | 1. | ! • 7 | 1.7 | 1.7 | • 7 | | | | | • | 1 • |
| SW | | 1.7 | 1." | 7.6 | 1.7 | 1. | 1.7 | | | | | · · · · · · · · · · · · · · · · · · · | |
| wsw | ! • ' | ₹. | 4 • 7 | 7.7 | 7.7 | 1.7 | , ? | | | | | 1: • | 1 • |
| w | | 1. | 2.0 | ?•7 | 1. | | •] | | | | | • | 1 4 • : |
| WNW | | 1. | 1. | • 7 | 1.3 | 1.^ | | . 1 | | | | : • * | 1 ? • |
| NW | • | • ' | 1 • ₹ | • 7 | 1.7 | 1.7 | | | | | | t. • 7 | 1 7 • |
| MMM | • | | 1. | 1.7 | • ~ | | | : | | | | | 1.7 • |
| VARBL | | | | | | | | | | | | | _ |
| CALM | | >< | >< | >< | >< | >< | $\geq \leq$ | | $\geq \leq$ | $\geq \leq$ | | | |
| | | 1 | 21.0 | 19.3 | 15.3 | 11." | 4. | 7. | | | | 1 0. | 17. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

"LL SEATHS" CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|----------|---------|---------|---------|-------------|-------------|----------|--|-----|-----------------------|
| N | • | 1. | | 1. | 1. | • 7 | | | | · | 7 . | 11.7 |
| NNE | | • | | 1. | • | 1. | • , | | | | | 1: •4 |
| NE | | | 1. | • | | | | | | | • | 1 . |
| ENE | | | 1. | • | • 7 | • | • | | | | - | 1 4 |
| E | | | | • | | | | ! | | | 1. | 1. |
| ESE | • | | | • ` | | | | | | | • 7 | • |
| SE | 1 | | <u> </u> | i • | • ` | | | | | | 1. | 11. |
| SSE | | | • | • | • | • | • ` | | | | 7.7 | 1 . |
| 5 | • | i • | • | | 1.3 | 1. | • 7 | | | | • | 1 |
| SSW | . • ′ | 1. | • | 1. 7 | • | | 1. | • 3 | | | | 1 . 7 |
| sw | • | | • | | 7.7 | | 1. | • 3 | • 7 | • 7 | ! | 1 . |
| wsw | | | 7. | 4. • · | 1.7 | 1. | | | | | 11. | 1 |
| w | • | | 4 " | ₹.₹ | | • | 1.7 | | | | 1 | 1 . 1 |
| WNW | • | • | | | 1.7 | | | 7 | | | 7. | 1. |
| NW | | | | 1. | 1. | | • | | | | • | 1:02 |
| NNW | | • " | i • ~ | 1. | 1.7 | 1. | | , | | | • | 15 |
| VARBL | | | | | | | | | | | | |
| CALM | | | | | | >< | $\geq \leq$ | | $\geq <$ | | 1. | |
| | • | • | 1.7 | 74.3 | 13.7 | 3. | | 7. | • 7 | , | 1 | 17. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| - 44 | A | | * 7 | S (|
|---------|---|--------------|------------|--------------|
| STATION | | STATION NAME | YEA | RS #OLTH |
| | | | LL STATHET | 7 |
| | | | CLASS | HOURS +L S T |
| | | | | |
| | - | | CONDITION | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|--------------------|-------------|----------|----------|---------|----------|---------|----------|-------------|--------------|------|----------|-----------------------|
| И | • ~ | 1. | 7.7 | 7.3 | • ? | 1.7 | | | | | | • | 100 |
| NNE | | • | 1. | 1. | • | 1.7 | • 3 | • 3 | | • | | 7. | 1 . |
| NE | | | 1. | • ` | 1. | | • | | | | | <u> </u> | 15. |
| ENE | | | | • 3 | • 3 | _ | 7 | | | | | ₹ . | 1 |
| E | • | • 7 | • 7 | • 7 | | | | | | | | * | • |
| ESE | | | • | • 7 | • 7 | | | | | | | | 1 4 . 7 |
| SE | | • 7 | • 5 | • 7 | | | | | | | | 1.7 | 1.0 |
| SSE | • | • | | 7. | | • ? | . 7 | | | | | | 16. |
| S | • | 1. | • 1 | 1.7 | 1. | 2.0 | • 7 | • 1 | | | | 7.4 | 1 7 |
| SSW | ì • · | 1.7 | 1. | • 7 | | • ? | | | | | | | 12. |
| s₩ | 1. | • 7 | 7. | 2.7 | 2.7 | 1 • 3 | 1 • 1 | . 7 | | , | | 1 7.7 | 1 c • 1 |
| wsw | • ' | 1. | 3 • " | 4.7 | 1.7 | 1.7 | 1. | | | | | 1 . | 14. |
| w | • ` | 1. | 1.7 | 1 • 3 | 2.3 | 1. | • 7 | • 3 | | • | | 7 | 15. |
| WNW | 1 | !• | • * | 2 • 3 | • ? | 1. | | | | • | | 1. 64 | 1 |
| NW | | | 1. | 1.7 | . 7 | • 1 | | | | | | • • • • | $\overline{12}$. |
| NNW | 1 • • | | 1 • 7 | 1.7 | | 1.7 | | | | | | • | 17. |
| VARBL | | | | | | | | | | 1 | | | |
| CALM | $\searrow \langle$ | $\geq \leq$ | $\geq <$ | \times | >< | $\geq <$ | \geq | $\geq <$ | $\geq <$ | | | 17.7 | |
| | | ٠.٦ | 15.4 | 24.4 | 11.7 | 12.4 | E . u | 1.7 | | • 3 | | 1 | 1 . |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ٠ 4 | 3 2 . 4 · | | * ₹ ÷ | | • |
|---------|-----------|--------------|--------------|----------------------------|-----------|
| STATION | | STATION NAME | | YEARS | #0#1H |
| | | | ALL SUBTRE | | • • |
| | | | CLASS | ·· ············ | HOURS LST |
| | | | | | |
| | - | | CONDITION | | |
| | | | | | |
| | - | ······ | | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|--|---------|---------|-----------|-----------|-----------|-----------------------|
| N | • | • • | ! • " | • | 1.7 | • | | • 7 | | | | ***** | 1 7.0 |
| NNE | | • | 1 • | . • 7 | 7 | • , | | • • | | | | | 1 |
| NE | • | | • | 1. | • ₹ | • | | | | | | • | 1 |
| ENE | | | • 1 | • 7 | | | | . 7 | | | | 1. | 1 . |
| E | | • | • 7 | • 7 | • 7 | | | | | | | | 11. |
| ESE | | • | | 1. | | | | | | ·· | | • • • | 1 4 |
| SE | | | • ' | | • 7 | • * | | | | | | 1. | 1 . |
| SSE | | • 7 | | 1.3 | | • 7 | • . = | • | ···· | • | - | 7. | 1 |
| 5 | | 1. |]•' | ~ - | • - | 1. | | | | · - · · · | | • • • • • | 15. |
| SSW | • 1 | • 7 | • ′ | .7 | j • 7 | • | • 7 | | | | | | 1 . 7 |
| sw | • 7 | • | ! • " | • | 7.3 | 1. | 1.7 | . 7 | | | - | | 1 . |
| wsw | • | | 1. | | 1 | 1. | | | | | | 11. | 11.0 |
| w | 1. | • ' | ? • ~ | 2.7 | 2.7 | 1 • 7 | . 7 | | | | | 11. | 1 4 |
| WNW | | ₹. | î• î` | 7 . 7 | • 7 | • 7 | 1 | | | | | 7. | 1 |
| NW | | • ` | 1. | 1.7 | • (| | 1 | | | | | | 1: • 3 |
| иим | | • 1 | 1.7 | • 7 | • 3 | 1. | | | | | | *** | 14.2 |
| VARBL | | | | | | | , | | | | | | - |
| CALM | >< | > < | | >< | >< | >< | | | >< | | | | - |
| | , | ^ · · | 1/. | 21.7 | 1 3 . 3 | , , 7 | 3.7 | 1.7 | • 3 | | | 1 3. | 1 . ' |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| * * 4 | 5 1 . Ar | | 7 = 3 3 | № 2.7 |
|---------|-------------|------------|----------------|--------------|
| STATION | \$7. | ATION NAME | YEARS | RONTH |
| | | ALL WEAT | HE® | 1 7 |
| | | CLASS | | HOURS IL S T |
| | | | | |
| | | CONDITION | | |
| | | | | |

| SPEED (KNTS) DIR, | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|---------------|-----------------------|
| N . | • | 1." | 2.7 | 1. | 1.7 | • 7 | . 7 | | | | | * | 12. |
| NNE | | 1.7 | • ~ | 7.3 | • 7 | | • 3 | • 3 | | | | 7. | 14. |
| NE | | | • ~ | • 7 | | | | | | | | 1. | 17. |
| ENE | | 1.0 | • : | 1 • 3 | . 3 | | | | | | | 3.7 | 13.5 |
| E | | • 7 | 1.7 | • ? | | | | | | | | 7. | 11. |
| ESE | | | | | | • | | | | | | • 3 | 7 ÷ • |
| SE | • 1 | | • ` | • 7 | • 7 | • - | | | | | | 2. 1 | 14. |
| SSE | • 3 | | • | 1.7 | 1.7 | • 7 | | | | | | 4 . 7 | 15.5 |
| s | 1. | 1. | . • | 1 • 7 | 7.7 | • • | | . 7 | | | | 3.7 | 17. |
| SSW | • | 1. | • 1 | 1. | . 7 | | 1.7 | • 3 | | | | ۲. | 17.1 |
| SW | | • 7 | | 1. | •• | ?. | 2. | • 7 | | | | 1 | T 35# |
| wsw | • - | | 7.7 | 7 • ₹ | | 4.7 | | | | | | 1 | 15. |
| w | • | 1. | | · • - | ?. 7 | 1. | 1. | | | | | 7 7 7 | 14. |
| WNW | i i | • | 1. | 1. | 1. | • * | | | | | | | 14.5 |
| NW | | • , , | 7. | 7.5 | ₹ | | | | | | | • | 10. |
| NNW | | | 1. | 1.7 | 1. | _ , , | | | | | | 4.7 | 14. |
| VARBL | | | | | | | | | | | | <u> </u> | |
| CALM | | >< | >< | >< | >< | >< | | >< | >< | >< | | 1.7 | |
| | | 17.7 | 200 | 25.3 | 17.7 | 17.7 | 5.7 | 2.0 | • ? | | | 1 1 1 1 | 14. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | 5 | ' • · | | , |
|---------|--------------|------------|-------|-------------|
| STATION | STATION NAME | | YEARS | MONTH |
| | | LL CATATOR | | : |
| | | CLASS | | HOURS ILS T |
| | | | | |
| | | COMBITION | | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|----------|-------|--------|------------|---------|--------------|---------|---------|---------|-------------|------|------|-----------------------|
| N | | 1. | 1.3 | 2 • 3 | . 7 | 1. | | | | | | * 7 | 17.1 |
| NNE | • | • 7 | 7. | 2. | 1.7 | • 7 | . 3 | | | - | | * | 14.1 |
| NE | • | • | 1. | • 7 | | • " | | | | • | | 7.7 | 17.5 |
| ENE | | 1. | 1. | 1.7 | . 7 | - | • | • ? | | | | 4. | 1 . |
| ŧ | • ` | • ~ | | • 7 | | | | | | | | 1.7 | |
| ESE | | | | 1.7 | | | • 4 | | | | | 1.7 | 1 • 1 |
| SE | | 1. | | • ? | - | | | | | | | 1. | 7,5 |
| SSE | • ' | i • " | • " | 1.7 | 1.3 | 1. | .7 | | | | | 7. | 14.5 |
| S | • | 1. | 1. | 7. | • 7 | . 7 | | • 7 | | • | | 7. | 1 . |
| ssw | • " | 1. | | 1.0 | 1. | 1. | • 2 | | | • 7 | | 5. | 13.2 |
| sw | • | • : | 1. | 7.3 | 1.7 | 2.7 | • - | • 3 | | | | 17. | 1 |
| wsw | | • ' | 1.7 | 7.0 | 3.7 | 1.7 | 1.5 | | | | | 12. | 7.5 |
| w | • 1 | 1 • 7 | 4.7 | 3.7 | 7.7 | 1 . 7 | | • ' | | | | 11. | 12. |
| WNW | | • ? | 2.7 | 1.3 | • 7 | • 7 | • 1 | | | | | | 12. |
| NW | | • 7 | | 7.7 | 1.7 | • 7 | | | | | | 4. | 17.5 |
| NNW | • ~ | 1.7 | 1.7 | ₹." | | . 7 | • 7 | | | | | • | 11. |
| VARBL | | | | | | | | | | ! | | | |
| CALM | \times | >< | >< | >< | >< | >< | >< | >< | >< | | >< | • | |
| | 4.3 | 17.7 | 20.3 | 27.7 | 15.5 | ור • 12 | 4 . 7 | 1.7 | | • 7 | | 1.6. | 10.0 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ٠. 4 | A 1 (c.) A < | 7.7 🛥 a , | | ₱ _s × · · · |
|--------|---------------|-------------|-------|------------------------|
| NOTATE | STATION NAME | | YEARS | MONTH |
| | | PLL WEATHER | | ; ^ |
| | | CLASS | | HOURS |
| | | | | |
| | | COMPITION | | |
| | | | | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEEL |
|-------------------------|------------|----------|--------|----------|---------|----------|-------------|----------|---------------|---------|-------------|---|-----------------------|
| N | | 7. | , 7 | • ? | • 7 | _ • 7 | • 7 | | - | | | <u> </u> | 1 . |
| NNE | • | • 7 | · · · | 1.5 | 2.7 | • 7 | . 7 | | | * | | | 1 |
| NE | • ~ | | • | • 3 | . 3 | | | | | | | 1. | |
| ENE | | • | • 7 | 1 • | | • 7 | | • ! | | | | • | 1. |
| E | • | • 7 | • 7 | 1. | ٠, | | | | | | | 7. | 11 |
| ESE | • | • 1 | | • 7 | | | | | | | | 1. | |
| SE | | | | • | • 3 | | | | | | | 1.5 | 7.1 |
| SSE | • | • 1 | • ` | Ī. | 1.7 | _ • | | • • | | | | | 14 |
| \$ | | 1. | | 1. | 1.3 | • 3 | . 7 | • 3 | | | | 7.7 | 14 |
| SSW | 1. | • 7 | 1. | • 7 | | • 7 | 1.7 | | | • | | 5.7 | 1 |
| sw | • ' | • 1 | 1.7 | 1.0 | 7.7 | 1 • * | • . | • ₹ | • ? | | | 1. | 1.7 |
| wsw | • ' | 7. | 7 | 7.0 | 7.7 | 2.0 | 1. | | | | | 1:0 | 16 |
| w | • - | 7.7 | 3.7 | Ĭ•Ñ | 7.7 | 1.7 | | | | | | 15. | 14 |
| WNW | • | • 7 | 1. | • 7 | • 7 | • 7 | | • * | | | | • | 1 |
| NW | • ~ | • * | 1. | 1 • 3 | 1.7 | • 7 | | | | | | | 1 ` |
| NNW | | • 7 | | 1.7 | 1." | | | , 3 | | | | | 1.7 |
| VARBL | | | | | | | | i | | 1 | | | |
| CALM | \searrow | $\geq <$ | >< | $\geq <$ | >< | $\geq <$ | $\geq \leq$ | $\geq <$ | $\geq <$ | >< | $\geq \leq$ | F | |
| | . 7 | 1 | 20.0 | 17.7 | 1 | . 7 | 6.7 | 2.1 | | • 1 | | 1 | 1 |

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

SURFACE WINDS

. PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| e, | A 1 , 4 | · · · · · · · · · · · · · · · · · · · | | • |
|---------|--------------|---------------------------------------|-------|---------------|
| STATION | STATION NAME | | YEARS | - #0414 |
| | | ILL - ATHER | | • |
| | | CLASS | | HOURS . L S T |
| | | | | |
| | | CONDITION | | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|--------------|------|-----------------------|
| N | • | | 1 • 7 | | • | . • | | : | | | ?• | |
| NNE | | | | 7.7 | 1.7 | • 7 | • : | | | | 7.7 | 1 • 5 |
| NE | | | • ? | | | | • | | | | 1.7 | 1 . |
| ENE | • | • | • - | 1.7 | | | | | | | | 1 |
| E | 1. | • 7 | 1. | 1.7 | | • | | | | | 4. | • |
| ESE | | | • | | | • | | | | | | 17. |
| \$E | | | | • • | | • ` | | | | | • 7 | 1. |
| SSE | | • | 1. | • | | • ' | | • 1 | | • ' | 4.7 | 1 . 3 |
| 5 | 1 • 7 | • ' | • ' | • 7 | | 1 • 7 | • 7 | | | | | 1 . |
| SSW | • 1 | 1. | • | 1.7 | 1.7 | 1. | • 3 | | | | 7. | 14. |
| sw | • | 1. | ?• | • | 1.7 | | | | | | 1.5 | 1.7 |
| wsw | • ' | 1.7 | 3 • 7 | 7.7 | 2 • ″ | 2.7 | 1. | • 3 | | | 1. | 1 - 1 |
| w | . • * | 7. 7 | ? • 7 | | .7 • ~ | 1. | 1 • : | • 3 | , 7 | | 13. | 14. |
| WNW | | • - | 1 • ' | 1. | :• 7 | • ' | | | • 7 | | | 1 . 1 |
| NW | | • " | 1.0 | 7.7 | . 7 | • 7 | • 7 | | , | | 5, | 1 ! • • |
| NNW | • | 1.7 | 1.7 | 1. | 1.0 | ! | | | | | | 1 |
| VARBL | | | | | | | | | | | | |
| CALM | | >< | >< | >< | | | | | | | 7,00 | |
| | | 17.00 | 1 . | 25.5 | 11.7 | 11. | 4.7 | 1. | , 7 | • * | 1 | 12. |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| · · · . | 2 1 1 | 4. | | | | | ; - : , | | | | | | * | |
|---------|----------------|-------|--------|-------------|---------|---------|---------------------------------------|---------------------------------------|---------|---------|-----------------------------|--------------|--------------|---------|
| STATION | | | STATIO | . HTME | | | | | | EARS | | | · | 0414 |
| | | | | | | ·LL : | ATHE | | | | | | | i. l. |
| | | | | .,, | | c | A\$\$ | · · · · · · · · · · · · · · · · · · · | | _ | | | HOURS | - L S T |
| | | - | | | | COM | DITION | | | | | | | |
| | | _ | | | | | | | | | - | | | |
| | SPEED | | | | | | · · · · · · · · · · · · · · · · · · · | | | - | | | | MEAN |
| | (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | 4 | SPEED |
| | N | | 1.4 | 1. | 1. | 1. | • | • . | • | | • | | F . 7 | 17. |
| | NNE | • 1 | • ' | 1. | | 1. | • ' | • '• | • : | | | | ; , 7 | 1 - • |
| | NE | • | • ! | • | • 7 | • 1 | • | • 1 | • | | | | 2.4 | 17. |
| | ENE | • | • | • 7 | ٠ ٩. | • 7 | • | •,• | • 1 | | • | | | 1 |
| | E | | • | ● F. | | • 7 | • 1 | | | | - | | | 1 . |
| | ESE | • : | • 1 | • : | • 4 | • 1 | • 1 | • | | | · | | • | 13. |
| | SE | • | • ` | • 1 | • | • 2 | • | | | · | • | | 1. | 17. |
| | *** | 1 | | | | 7 | | | | · | •- · · · · · · <u>-</u> · • | - | · | · |

| NE | • ` | • ! | • | . 7 | • - | • | . 1 | • | | | 2 | 13.2 |
|-------|--------|---------------|-------------|------------|-------|------|---------------|-------------|-----|--------------|------|-------|
| ENE | • | • | • ' | ٠ ٩ | • 7 | • ` | • ` | • 1 | | | • | 1 |
| E | • | • | . €. | • | | • 1 | | | | | | 1 . 1 |
| ESE | • : | • 1 | • : | • 11 | • 1 | • 1 | | • | | | • | 13. |
| SE | • | • ` | • 2 | • | • 2 | • :: | | • | | • | 1. | 17. |
| SSE | • | • | • | 1. | . 7 | • 1 | . 7 | • 1 | | • | 4.7 | 1 - 1 |
| 5 | • | 1 • ' | 1.1 | 1.7 | 1.7 | 1. | . + | • ₹ | • | · • · · | 7. | 1 |
| ssw | • | 1. | .1 | 1. | 1.0 | | • . | • 1 | | | | i |
| SW | • | • 7 | 1. | 7.7 | 7.3 | 1. | 1. | • 4 | • 1 | • 1 | 11.1 | 1 . |
| wsw | | 1. | 7 • € | 7 . 14 | ~ · L | 3.0 | • | • | | /- | 17. | 14. |
| w | • | 1 • | 3. | • | 7.1 | 1. | • | • 1 | • | | 12. | 14.1 |
| WNW | • ' | • | 1 • ' | 1 • 4 | • 2 | | • | , , | • ; | - | | 1 . 1 |
| NW | • ' | • | 1. | 1.7 | • ^ | • 1 | • ? | • · · · · • | | | e . | 13.5 |
| NNW | • 1 | • | 2 • 4 | ! • □ | • 4 | • | • ' | | | | | 1.7 |
| VARBL | | | | | i | | | | | | | |
| CALM | \sim | $\overline{}$ | \searrow | \searrow | | | $\overline{}$ | | | | | |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY CASERVATIONS)

| | | STATION | . MA M.E. | | | | | • | LARS | | | • | |
|-----------------|--------|---------|-----------|---------|---|---------|---------|---------------|------------------|--------------------|--------------|-------|-------|
| | | | | | - <u>' </u> | A T I [| | | | | | HOUR | |
| | | | | | |) TION | | | | | | | |
| | | | | | CONI | 51710 | | | | | | | |
| SPEED (KNTS) | 1 - 3 | 4 · 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 · 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 55 | ≥ 56 | | MEAT |
| DIR. | , | • | | | 17 - 21 | 22 · 27 | 20 . 33 | 34 / 40 | 41 - 47 | 46 33 | _ 36 | • | SPEED |
| N | • | 1. | | 1. | • 1 | 1. | | | | | | · | 1 |
| NNE | • | 1. | 1 • | 1. | 1.4 | 1. | | • | · - · | • | • | • : ' | 1 + |
| NE | | • • | | • * | 1.7 | · · | • | • • | | • | | | 17 |
| ENE | | | | • ? | • - | | | | | • | • | - • | ! - |
| E | • | | 1 | 1. | • 4 | • • • | | • ' | | • | • | • • | 1 |
| ESE | | • | | 1. | • 7 | | - · · • | | | • | • | | |
| SE | • | | | | | | • | | | • | • | " ī. | |
| SSE | | • | 1. | 1.7 | • 7 | • 7 | | | | • | • | · • • | 1 - |
| s | • | • | 1. | 1.5 | • 4 | 1.7 | | | | • | • | " | 1 . |
| SSW | | | • | • 7 | • | • | • , | | | • | • | " · | |
| 5W | 1 • | ١. | 1. | 7.7 | 7.3 | • | | | • ` | • | • | | 1.7 |
| wsw | • ! | 7. | 1. | 2.3 | 1.6 | 1. | | | | • | • | • | : - |
| w | 3 • ** | • - | • 7 | 1.0 | 1. | 2.1 | 1.1 | | | • | • | • | • |
| WNW | • | • : | 1.7 | 1.6 | • 7 | | | | | | • | | : |
| NW | | ! • □ | • | 1.7 | | | | | | . | | • | 1.1 |
| NNW | • ' | • 7 | 1 • 7 | ∵, ೧ | 1.7 | • 7 | | | | • | • | • | 1 |
| VARBL | | | | | | | | | | •··• ·· <u>-</u> · | • | • • | |
| | | | | | $\overline{}$ | | | $\overline{}$ | | · | * | | |

10.5 24.7 10.5 11.7

TOTAL NUMBER OF OBSERVATIONS

• 3

1.5

SURFACE WINDS

NACAL ALATHAR (APPLIE) THE FACILITY OF ASSISTANCE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 10 N | | <u>· · · · · · · · · · · · · · · · · · · </u> | STATIO | N RAME | | | | · · | | EARS | | | | On T P |
|------|-------------------------|---|--------|--------|-------------|-----------------|--------|---|---------|----------|---|--|--|--------------------|
| | | | | | | LL T | (AT or | | | | | | | - |
| | | _ | | | | c | LASS | | | | | | #0u #1 | |
| | | _ | | | | сон | DITION | | | | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEA WIN SPEE |
| 1 | И | | • | • | 1. | • " | | • | | | | | * . | 1 - |
| Ī | NNE | • | :• | 1. | 7. | 7. | 1. | • | | • ? | · | | Ţ., | • :- |
| | NE | • | • 7 | • 7 | | • * | • | | • | | | · • · · · · · · | · | 1 |
| ſ | ENE | • | | • ' | 1. | 7 | | | | | • | | • | 1 |
| Ī | E | | 1. | • | - | 1. | 1. | • • | | | | - | · . | 1 ' |
| | ESE | | • | • | 1.0 | • | | • | | | • | -• | 7. | 1 |
| | SE | | | | | • | • | | | | | | <u> </u> | · - |
| 1 | SSE | • | • | • | | | | | • ? | | • | | • | : |
| 1 | S | | • | 1. | 1. | 1.1 | | • • | | • • | • | | | 1.1 |
| ĺ | SSW | , . | ; . | 1. | 1. | ! | : • | | | • | • | | | i |
| Ī | SW | | | • ' | 1. | 1. | 1. | • | | | • | | • . | 1 |
| 1 | wsw | ١. | ! • | • | | • | • | • | | | | • | | |
| | w | • | ì • | 1. | | 1. | 1. | | • | | | • | | 1 - |
| ſ | WNW | | 1. | 1. | 1. | | | | | , | | • | • | : i |
| | NW | | • | 1. | 1.7 | | • | | | • • •- • | | • - | • | ! |
| 1 | NNW | | | | | • • • • • • • • | | • | | | | • | • | 1 |
| | VARBL | 1 | | | | | | | | | | • | | |
| Ī | CALM | | >< | | | | | | | | | | • 1 | |
| ľ | - 1 | | : ! • | 1 . | ,,, | 1 | | * | 1. | , 7 | <u> </u> | ** ********************************** | ************************************** | : |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL GLATHER BERVIGE DETACHMENT ASHEVILLE NO

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | _ | | | | | PITION | - | | | - | | | |
|-------------------------|-------|-------|---|----------|---|----------|-------|-------------|---------|---|----------|---|---------------|
| | _ | | | | | | | | | | | | |
| | | | | | | | | | | | | _ | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | M W |
| N | | • | • | • | • | | • | • | | | | - | |
| NNE | | • | 1 • | • | • | • | | | • | | | • | • |
| NE | | | | • | • . | 2. | •] | | | | • | • | • |
| ENE | | | | | • • | | | | | ••• | • | • : | 1 |
| E | • • | • | | | • 7 | • | • | | | | • | • | . 1 |
| ESE | , | | | 1. | | • | | | | • | • | | • ! |
| SE | · | | | • | • | • • | | | • | • | • | - · · · · · · · · · · · · · · · · · · · | • 1 |
| SSE | • | · · | | | , ' ₇ ' | • | • | • | • | • | • | - | • : |
| \$ | • | | 1. | 1. | | | • | • | • - | • | • | • 1 | 1 |
| 55W | | • | • | 1. | · · · · · · · · · · · · · · · · · · · | • ′ | • | | • | • | • | • | ٠, |
| sw | , , , | • | | | · · · | • | • | • - | • | • | • | • | |
| WSW | | | 1. | | 1.5 | 1. | • | | • | • | • | | • ! |
| w | • | i . | i • | | • | 1. | • | • 6 | • | • | • | | 1 |
| WNW | | 1. | | 1. | • | ••• | • | | • | | • | · • | • ! |
| NW | | | | <u> </u> | | • | - • | | • | • | • | • | 1 |
| NNW | | • | 1. | 1. | 1.7 | | • | | | • | • | | . 1 |
| VARBL | | | | | · - • | - ···· • | , | | •· = | • | • | • | • |
| CALM | | | | | \ * | | \\\ | `\ ` | | ` \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | * | | • |

TOTAL NUMBER C. OBSERVATIONS

1€1

NA LAG ABATHUM BERTO TO AMERICA AMERICA TO

SURFACE WINDS

HOURS 5 1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

SMOS

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | | | | L L | ASS | | | | - | | HOUR | 5 - 4 S T |
|-------------------------|---------------|-------|------------|---------|---------------------------------------|---------|---------|---------|---------|----------|------------------|-------|---------------------|
| | _ | | | | CON | PITION | | | | | - | | |
| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEA WINI SPEE |
| N | | • | 1 • | | 1. | • • | | | | | | 7. | 1 - |
| NNE | | • | 1. | 1.0 | 1 | • | • 7 | • *. | • ` | | | • | 1 |
| NE | • | | | • . | • 7 | • • | • 7 | | | | ··· ··· | i. | 1 |
| ENE | | • | 1. | 7. | 1.5 | 1. | | • 7 | | | | - · · | 1 - |
| E | • | 1, 7 | : . | 1.1 | 1. | • | | | | - | | | : |
| ESE | | • ' | • | | • | • ′ | | | | | · — - | | • • |
| SE | | | • | • ′ | • 7 | • 7 | • 7 | | | * | · ··· • | | 1.7 |
| SSE | • | | 1.0 | 1. | · | • | 1 | | | | | | 1. |
| S | • | l. | i • ' | • ' | 1.7 | 1. | | i • ' | | | | | 1 |
| ssw | | • | 1.7 | 7.0 | • * | • | | • 7 | | | | | 1 4 |
| sw | • | • 7 | 1 • 3 | 1. | 1.7 | • • | • .' | • - | | | · —— | : • | 1 |
| wsw | • ' | | 1. | | 1.7 | 1. | 1.5 | | | | | '1." | 1.3 |
| w | | | 1 | 1. | 1.6 | 1. | 1 | | | | | • | 17 |
| WNW | | | • ` | ~, / | 7 | | | | | | | • | 1.1 |
| NW | • | | • | 1.0 | | | • | | | | | • | 1 |
| NNW | | • | • | 1. | · · · · · · · · · · · · · · · · · · · | | · | | | | | • | 1 - |
| VARBL | | | | L | | | | | | | | · | |
| CALM | $\overline{}$ | | | | | `>< | >_ | | | ~ | ` | • | - |

TOTAL NUMBER OF OBSERVATIONS

• 3]

2.91

MAVAL WEATHER SERVICES OF TAURMENT ASHEVILLE, NO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| | | · - | | |
|---------|--------------|----------------------|-------|-------------|
| STATION | SMAN HOLTATS | | YEARS | - |
| | | L.M. 1982 A. M. 1997 | | 1 |
| | | CLASS | · · | HOURS ILS T |
| | | | | |
| | | CONDITION | | |
| | | | | |
| | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------------------------|---------|---------|---------|---------|---------|-----------------------|--|-----------------------|
| N | | | - | 1. | 1.1 | | | | | • | | * • | • • • |
| NNE | | | | 1. | • ` | • | | | • 7 | | | | 1 |
| NE | | • * | :. | 1. | • | • | | | | | | * • • • • • • • • • • • • • • • • • • • | 1 7. |
| ENE | • | 1. | 1.7 | • | 1.7 | 1. | | | • | •• | | " | 1 |
| E | 1 | • | 1. | 1. | - - | • | | | | • | | • | 17. |
| ESE | | | | | • | | | | | | | 1. | 14.7 |
| SE | | | | • 4 | | • 7 | • 1 | | | | | <u> </u> | 1 5 . 4 |
| SSE | | • 2 | | • 1 | • 6 | | • 7 | | | | | 4 | 1 .: |
| 5 | | · · | : • | 1.7 | | • " | | 1. | | | | 5. | 1 |
| ssw | `• | • | • | • | | • | | • 7 | | | | | 1 |
| sw | | 1. | 1.7 | | 1.4 | • ? | • | | | | | | 11 |
| wsw | • | • ' | 1. | 7.7 | 1. | • ' | 1. | • 3 | | • | | 7. | 1 . |
| w | • | • | | • " | 1. | 1. | • * | • .7 | | | | i •- | 17. |
| WNW | | • | • ' | • | • 3 | • * | • | | | | ··· · · · | Ī. | 1 1 4 |
| NW | • ' | • / | • | 1. | • 7 | | | | | | | • | 1 |
| NNW | • 7 | 1. | • · | • | 1. | • | | | | • | | * | 17 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | >< | | >< | | > < | | | | |
| | • | 1 | 17. | 74.7 | 1 . 5 | 7. | i4 • | 2.4 | 1. | F | | 1 | 1 . |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| TION | | | STATIO | | | | | | ¥ | LARS | | | | ONTH |
|------|-------------------------|-------|--------|-------------|-------------|---------|---------|---------|--------------|---------------|-------------|----------------|-------------------------|-----------------------|
| | | _ | | | | | ASS | | | | | | HOURS | 16.57 |
| | | | | | | | | | | | | | | |
| | | _ | | | | COM | DITION | | | | | | | |
| | | _ | | | | | | | - | | | | | |
| | SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
| ľ | N | • | 1. | 1. | | | | | | | | | | |
| ľ | NNE | • | 1. | 1. | 1 | 1.7 | 1. | • | • 5 | | • | | • | 1 |
| 1 | NE | | `• | • | 1. | 7 | • 4 | | | | • • | · · · | :-, | 17.2 |
| ſ | ENE | | | ì. | 1. | 1.7 | | , | | | | | • • • • | 1 • • 6 |
| Ī | E | | • ' | • ′ | 7.6 | 1. | • 5 | | | | • | | • . | 1 1 • • |
| Ì | ESE | | • | 1. | • | | • ' | | | | | | | 17,7 |
| 1 | SE | | 1. | • 7 | • 7 | | • 7 | - | • 7 | | • | | | 1 7 • |
| 1 | SSE | • | • ' | ! • ' | • 7 | . 7 | • ' | • 3 | | | | · | | 1 |
| ĺ | S | | 1. | :• | 1. | • ? | • ? | • 3 | • 6 | | | - | 4 | 1 |
| | SSW | | • | 1. | 1. | • 6 | • 1 | | • 7 | • 2 | | | · · · · · · · · · · · · | 1: • 3 |
| | 5W | • | 1.4 | ~ , 7 | • | • 6 | • 6 | • ? | | | ! | · - | • 1 | 1.0 |
| Ī | wsw | • | i • · | 1. | 1.6 | 1. | 1." | 7 | • 3 | | | | • | 1 • 1 |
| - [| w | | ! • | 7 | 7 • 7 | 1.5 | | • ! | | | | | • : | 1 1 . 4 |
| Ī | WNW | | ! • | 1. | 1.1 | . 2 | • * | , 7 | • 1 | | : | | | 11.6 |
| 1 | NW | | • | 1.0 | • 7 | | • • | | | | · | | • • • • | 1 .1 |
| j | NHW | • 1 | | 1.4 | | • 7 | 1.3 | | | | | * | | 1 1 |
| | VARBL | | | | | | | | | | | | · | |
| | CALM | | | | | | | | | $\overline{}$ | | | • | |

TOTAL NUMBER OF OBSERVATIONS

SMOS

21."

24.7

11.7

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| L. | | | •- • | | F : 1 |
|-----------|---|--------------|------------|-------|--------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | | Lt. CAT. T | | ~ |
| | - | | CLASS | | HOURS IL S T |
| | | | | | |
| | | | CONDITION | | |
| | | | | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|----------|---------|---------|---------|---------|-------------|---------|------|------|-----------------------|
| N | | | • | 7. | 1. | | | | | · | | • | 1.7.1 |
| NNE | | • | 7. | 1.6 | i • | 1.5 | | | | | •— | • | 1: . 3 |
| NE | | | 1. | • 7 | • 7 | • 7 | , 7 | . 7 | | | | • | 7 |
| ENE | | • | 1. | 1.7 | 1.5 | 1.7 | • 3 | | | | | 1 | 17. |
| E | | • , | ?• | ~ · /: | 1. | • | . ? | | | | | 7. | 17. |
| ESE | | • | | | | • | | | | | | 1. | 1 . : |
| SE | | • ` | • | | | • • | | | | | | 1. | 17. |
| SSE | • | • 7 | | | | • | | | | | | | 11. |
| 5 | • | 1. | | 2.7 | 1 • 3 | 1. | | | • - | | | | 1 , • , |
| SSW | • 7 | 1. | • ' | | | • ? | | | | | | • | 11. |
| sw | • | | 7, 1 | 2.03 | 1.5 | | 1 •] | | | | | 7. | 1 . 6 |
| wsw | • " | 1• 7 | · · | | 1.7 | • 7 | • ? | . 7 | | | | • • | 14.5 |
| w | _• | 7 | 7. | 2.6 | 2 • 5 | _ 1 • 7 | | • 7 | • 3 | | | 12.7 | 13.5 |
| WNW | | 2. | 1. | 1.4 | 7 | • 7 | i | | | | | 4. | 11.4 |
| NW | • 1 | • | | 1 • 1 | | • 7 | | | | | | 2. | 11.4 |
| NNW | | 1. | • | 1.7 | , , | • 7 | | | | | | 4. | 13.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | >< | >< | $\geq <$ | >< | >< | >< | >< | >< | | >< | 10. | |
| | | 1. 1 | ۰ ^•۲ | 24.1 | 1 4 . 3 | 10.1 | 7. | 1.6 | . 7 | | | 1 . | 12.1 |

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| • 42 | 1 : . A | | * ? =6 * | | 5 1.5 |
|---------|---------|--------------|-----------------|-------|--------------|
| STATION | | STATION NAME | | YEARS | MONTH |
| | | *L | L. W. ATHE | | ž į į |
| | | | CLASS | | HOURE IL S T |
| | | | CONDITION | | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | • | MEAN WIND SPEED |
|-------------------------|------------|-------|--------|---------|---------|--------------|---------|---------|-------------|--------------|-------------|----------|-----------------------|
| N | • | 1.1 | 1. | 1.9 | • 4 | • 1 | • 1 | • ~ | | | | 1.1 | 11. |
| NNE | • | 1.1 | 1. | 7. | 2.3 | • * | • .7 | . 3 | • . | | | | 15. |
| NE | • | • 5 | • ' | • * | , p | | | • 7 | | | | <u> </u> | 17. |
| ENE | • : | . Li | • | 2.0 | 1.5 | . 7 | • .~ | • 1 | • ' | | | | 1 . |
| E | • 7 | • | 1.4 | 2.1 | • - | • ' | • 1 | • 1 | | • | | | 17. |
| ESE | • | • 7 | • ' | • (| ٠ 5 | . 7 | • 2 | | | | | 2. | 1 . |
| SE | • 1 | | • 7 | • ? | • 2 | • 7 | • , | • | | | | 1. | j . |
| SSE | • 1 | • 4. | 1.7 | .7 | • 0 | • | • 3 | • 1 | | | | ?•4 | 13. |
| S | • | 1.7 | 1.0 | 1.5 | 1.7 | • * | • 7 | . 4 | • ^` | | | t • ' | iu. |
| ssw | • | • 1 | • 1 | 1.7 | • 7 | • r | • ? | • 1 | • 1 | | | 5.6 | 1 7. |
| \$W | 1 • 1 | • | 1. | 2.1 | 1.7 | . 4 | • 4 | •] | • ^ | | | 7.7 | 1 : . |
| wsw | • | 1. | 1. | 2.5 | 1•1 | 1.1 | • 12 | • 5 | | | | | 1 |
| w | • - | 1. | ! • m | 2.3 | 1.6 | 1. | • 6 | • 3 | • | | | | 1 . |
| WNW | • 1 | 1.1 | 1.1 | 2.0 | • 6 | . 4) | • ! | . 1 | |] | | 5.7 | 1 . |
| NW | • 7 | • | • " | 1.2 | • 3 | • 1 | • ` | | | | | • 1 | 11. |
| NNW | • ` | | 1.1 | 1.5 | . 7 | • 1 | • | | | | 1 | 4. | 1 - |
| YARBL | | | | | | | | | | | | | |
| CALM | \searrow | > < | >< | > < | >< | >< | >< | >< | $\geq \leq$ | | >< | ٠. | |
| | • | 1. | 1 7.1 | 24 . | 1 - 4 | | 4.1 | 3.1 | | , | | 1"0. | 1 . |

TOTAL NUMBER OF OBSERVATIONS

2128

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| t. | 3 A . A/ | ************************************** | |
|---------|--------------|--|--------------|
| STATION | STATION NAME | YEARS | MTHOM |
| | | LL EATHE | ALL |
| | | CLASS | HOURS IL S T |
| | | | |
| | | CONDITION | |

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | i 👡 | MEAN WIND SPEED |
|-------------------------|-----------|-------|-------------|---------|---------|---------|---------|---------|---------------------------------------|---------|------|---------------------------------------|-----------------------|
| N | • : | 1. | ^. . | 7.7 | i • | • 11 | • 1 | • | · · · · · · · · · · · · · · · · · · · | • | | • ' | 11.2 |
| NNE | ٦٠. | 1.7 | 1. | 1.0 | • 3 | • " | • ~ | • 1 | • | | | 7.: | 12.0 |
| NE | • 4 | • | 1.7 | 1 • 1 | . 4 | • ? | • 1 | • ^ | | • | | ·• • [?] | 11.4 |
| ENE | • 11 | • 7 | 1.4 | 1 • ? | | • ? | • 1 | • 7 | | | | 4 . | 11.2 |
| E | • - | 1.1 | 1.1 | 1.3 | | • | • 1 | • 0 | | | | 4.5 | 1 |
| ESE | • - | • 1 | • | • - | • - ! | • 1 | | ٠,٦ | | | | 2. | 9.5 |
| SE | • | • ' | • | • 5 | • ? | • 1 | • | • 7 | | • ^ | | 2.3 | 1 . 2 |
| SSE | • | • ? | 1.7 | • ^- | • .7 | • ` | • 1 | • ~ | | • - | | 3. | 1 • |
| 5 | • | 1.7 | 7. | 1.7 | . F. | . 14 | • 1 | • 1 | • 7 | • 5 | | 7. | 11. |
| ssw | • | • 7 | 1.1 | 1.5 | . 6 | • t: | • 2 | • 1 | • 7 | • ^ | | ε | 12.3 |
| SW | • | • = | | 2•□ | 1.4 | 1.0 | . 4 | • 2 | • 1. | • ^ | | ٠. | 14. |
| wsw | • ' | 1 • 7 | | 5.€ | 1.2 | 1.7 | • 3 | • 1 | • | | • * | 11. | 13.5 |
| w | • | 1 • 6 | 7.7 | 3 • 6 | 1.5 | 1.0 | • 3 | - 1 | • `` | • າ | • ? | 11. | 13.7 |
| WNW | • ` | • 7 | 1. | 1 • 1 | . 4 | • . | • 1 | • 1 | • - | | • ? | 3.0 | 12.3 |
| NW | • ` | • 3 | • ` | 1.7 | . 4 | • ? | • 1 | • - | : | | | · · · · · · · · · · · · · · · · · · · | 11. |
| NNW | • 1 | • 5 | 1.1 | 1. | • 4. | • 7 | • 1 | • | | | | 4. | 17. |
| VARBL | | | | | | | | | | | | | |
| CALM | | > < | \searrow | >< | >< | >< | >< | >< | >< | >< | | 5. | |
| | 6. | 14.7 | 27.1 | 77.1 | 11.6 | 6.7 | 5.4 | ١. | • 1 | • 1 | | 1 10. | 11.4 |

TOTAL NUMBER OF OBSERVATIONS

. 11:2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | | MEAN WIND SPEED |
|-------------------------|-------|------------|--------|---------|---------|---------|---------|------------|---------|----------|------|-------|-----------------------|
| N | • | 2 • 3 | 2.1 | 7. | 1.4 | • | | • . | | | | ٠. | 12.3 |
| NNE | • | 1.7 | 3•1 | 1. | ٠ د | • 7 | • 41 | • 2 | • | | | | 12.4 |
| NE | • | 1. | 1 • 5 | 1 • 7 | • 5 | • [| • ? | • 1 | | | | f . | 17.3 |
| ENE | • | 1.0 | 1 • 7 | 1.5 | •0 | ۰۶ | • 2 | • 1 | • 1 | | | ٤. | 12 |
| E | • | 1 • 7 | • ^ | 1.6 | • 5 | • 4 | • 2 | • 1 | | | | 5.0€ | 11. |
| ESE | • : | • | • 4 | • 「 | • 2 | • ? | • 1 | • ^] | | | | . • 7 | 11.1 |
| SE | • | • 1 | • * | • 12 | . 4 | ٠ ٢ | | • <u>○</u> | | • ^ | | 3. | 12.5 |
| SSE | • ' | • " | 1.7 | 1.4 | • n | | • ` | | | | | | 1:.1 |
| 5 | • • | 1.0 | 1. | 2.1 | • ^ | • | • 3 | • 2 | • | • " | | 7 • 7 | 13. |
| 55W | • : | <u>.</u> L | • 4 | • 5 | • 6 | • 3 | • 2 | • 1 | • | • 7 | | 7.7 | 14.5 |
| sw | • | • | 1.7 | 3.0 | 1. | 1.1 | . 4 | • 3 | • 1 | • ~ | | 7.1 | 1 .1 |
| wsw | • " | 1.7 | 7. | ٠ | 2.4 | 1. | • 7 | . 1 | • 7 | | • | 13. | 14. |
| w | • 1 | 1.7 | 2.1 | 2.4 | 1.5 | 1.0 | . ? | • 1 | | • ′ | | 9.1 | 14.7 |
| WNW | • | • ` | • | . 4 | - 4 | • ') | • 1 | • | • | | • 0 | | 14. |
| NW | • 1 | • ~ | • * | . 4 | ٦, | • 🖰 | • 1 | • " | | | | 1. | 14.7 |
| NNW | • ` | • . | • 1 | ۰٢ | • - | • • | • 1 | | | | | | 14.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | >< | >< | >< | >< | >< | >< | >< | >< | >< | $\geq <$ | >< | 4. | |
| | • | 17.0 | 25. | 27.8 | 13.6 | • | in | 1.3 | • 2 | • 1 | • | 170. | 10. |

TOTAL NUMBER OF OBSERVATIONS

741

Nova, rederal sailsing Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bigariate percentage trequency distribution replanses of colling from zero to each to or greater than 20,000 feet and as a separate class "no colling", versal visibility in 10 s labor to zero to equal to or greater than 10 miles. Output are derived from 5-bourly observations, and takes of of tables are presented as follows:

- 1. Annual all years and all mours condined
- 2. By Month all years and all hours complined
- 3. By Month by standard 3-hour groups

one to the cumulative nature of this presentation, it is possible to determine the percentage trequency of occurrence formula given limit of ceiling or initially separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling has be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency of which the station was feeting or exceeding any given set of minima may be determined from the timbre at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of time columns are shown on pages 2 and 3 below.

Scalinging in Pair 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "n ceiling" ategory consists of observations with less than 6/10 total sky cover and these cases were total accover is 6.10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING | | | | | | | V : | SIBILITY IS | TATUTE MIL | LES) | | | | | | |
|--|-------|-------|--------|-------|------|----------|--------------|-------------|------------|-------------|--------|-------|------------------|--------|-------|---------|
| (FEET | of 10 | . ≥ 6 | .:* 5 | · > 4 | .≥ 3 | ≥ 2 ½ | ₫ 2 | 2.1% | 3.1% | 2.1 | 2 % | ≥ % | * y ₂ | * 5 16 | · 2 % | : 0 |
| NO CEILING | | | | | | <u> </u> | | | | | · ~ | · | | | | |
| | | | | | | <u> </u> | <u> </u> | | | | | | | | | |
| * 1800 > 1500 | | - | | | 1. | i | | • | | | • | | • • | • | | |
| > 1200 > 1000 | | | | | İ | | | | | | | | | | | |
| 900 | • | | • | • | | | | | | | | | | | r | |
| * ************************************ | | | | | • | | | | | | • | • | • | • | • | • |
| ch | | | | • | • | • • | | • | | ·" . | | • | | • | | ~ · · · |
| - 30g | | I | · I | | • | • | | • | | | | • | - | - F | • - | • |
| • 100 • 100 | | | • | • | | • | | • | | | ÷ | | | • | • | |
| > 0 | | | | | 05.1 | | <u>96.</u> 6 | | | G2,3 | | | | | | 11/ |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed \geq 0. For instance, from the table: Ceiling \geq 1500 feet = 92.6%. Ceiling \geq 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table: Visibility ≥ 3 miles = 95.4%. Visibility ≥ 2 miles = 96.9%. Visibility ≥ 1 mile = 98.3%.

FXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of \geq 1500 feet with \geq 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This can are is prepared tree behows the enservations and is a percentage frequency of trivition of their cover and total subsect of effectivities. It is presented in two tables as policy is

- 1. De South and Annard 441 pours and 411 years combined.
- .. renth = is tandard 3-mour or ups.
- Fig. 11. Says for (total cloud actual) was not reported to the sentines until (ii) 1940, (e.g., c.), available, were publied for Air Borce stations becoming in 1966, but dere not applied to a lavy stations will 1968 or 1960. Weather pureau stations recorded that cloud count for expanse technique sometime in 1969, but few stations lave public. Interpret to 1965, [b.c. chosens will, document, by Indica to period of available rata.
- 2.1 21 Size esame not gone medicate used for those salars report is advanced to lital, one consistence is sometimes to tenths prior to sand mixing, and mixing considering the form of prior to that ista were estimable resorted in obtaining no support for an expension of the constant

| 98.458 | d'ags |
|-----------------|-------|
| () | |
| İ | |
| - | 3 |
| } | |
| 4 | |
|) | |
| • | ** |
| 7 | , |
| 8 (or observed) | 1 |

3. 1 3th se indireduct 1951 the school of eleme, scattered, 3th Level on 1961, the composition of the level of Sections. Sollowing are the convertible.

Clear converted to 3 (a) Scattered converted to 5 (b) Smooth converted to 6 (a) Smooth of converted to 6 (b) Smooth converted to 6 (b)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | ¥1\$1 | BILITY (ST | ATUTE MIL | ES | | | | | | |
|--------------------|------|---|------------------|--|-------|---------------|--|------------|---------------------------------------|---------------|-------------------|--------------------------|-------------|--------|------------------|-------|
| FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1 | ≥ 2 | | <u></u> 1 , | ≥ ; | ≥ 3, | ≥ . | <u>≥</u> ', | ≥ 5 16 | . ≥ . | 2 c |
| NO CEILING | | | 7 | | | ••• | | • | | • | | • | : • | | · · | |
| ≥ 20000 | | . , , • _ ' | | • | | • | · | | · · · · · · · · · · · · · · · · · · · | | | <u> </u> | • ' | | | |
| ≥ 18000 ≥ 16000 | | | | • • • | 1 • | | | • | 1 . | 1 • | | • | : : | • | | |
| ≥ 14000 ≥ 12000 | | • | 1 - 14 | ; - ; • | 1 . | | 1 | | , | | | | | | • | • |
| ≥ 10000 ≥ 9000 | | | : . | | 7 · · | | T | | | | | · · | • | · : . | | |
| ≥ 8000 ≥ 7000 | | 17.7 | Ţ-;- | | 1 | | | | 777 | 71.1 | • | | . 1 | • | • 1 | • |
| ≥ 6000 ≥ 5000 | | | | | | | | | | | | | • | | | |
| ≥ 4500 ≥ 4000 | | | | | 7 | | | Til. | | - | 77.7 | | • | | | |
| ≥ 3500 ≥ 3000 | | | 7 . - | ************************************** | ₩ | T1:- | ************************************** | | | ₹1.ª* -1. | - · · | · | | • | | |
| ≥ 2500 ≥ 2600 | | , -, -, +; : | - | | | • | | | | | | | | | | |
| ≥ 1800 ≥ 1500 | | | 73. | ., | , | 77 | | · • *· | | • | | 51. ° | • | | | • |
| ≥ 1200 ≥ 1000 | | | 7 | | | | | | | | • | | • | • | • | |
| ≥ 900 ≥ 800 | | 1 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | - · i. | | | | | | | | • | • | | • | |
| ≥ 700 ≥ 600 | - | | 7 | 1 | | | | | | | · | .τ | • | • | | |
| ≥ 500 ≥ 400 | - | : -, , , , | 7 | ार ; ब्र' ा , , , | , | | | | | 77.7 | | 37. | • • | | | |
| ≥ 300 ≥ 200 | • | | 7 | | | · · · · · · · | | | | 77.7 | eren jerr Sala | | | : 5∃.° | ue es ju Visi | • • • |
| ≥ 100 ≥ 0 | • | | 7 | ाम ,य † | | | | | • | 77.7 | चन . ─ | यह ीनः १८. | • | • | | • |

TOTAL NUMBER OF COFFERNATIONS

CHENASOCEANNET STOS

CEILING VERSUS VISIBILIT

-2416

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY ST | ATUTE MIL | E S | | | | | | |
|----------------------|------|------------|-----|---|--|-------|------------------------|---------------|-----------|-----|--------------|--------------|------------|-------|-------------|---|
| FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21, | ≥ 2 | ≥ 11, | ≥ 11. | ≥ i | ≥ ય. | 2 % | ≥ , | ≥ 5 % | 2. | , |
| NO CEILING | | | | • | · · · | • | | • | | | | | | • | | · |
| ≥ 20000 | | • | | | 1 | | | · • - | · · · | 1 . | 1. | <u>:</u> • . | • | | • | |
| ≥ 18000 ≥ 16000 | | • | | , , | | • | • | • | • | • | • | • | • | | | |
| ≥ 14000 ≥ 12000 | • | | | • • • • • • | | | • | • | • | • | | . • . | • | | · · . | |
| ≥ 12000 ≥ 10000 | | • | · · | · : :- | • | | <u> </u> | • | • | | | • | • | | • | |
| ≥ 9000 | | · ` , .* - | | | · | | | . <u></u> . • | | 1 | <u>i</u> • . | <u></u> . | | | | |
| ≥ 8000 l ≥ 7000 | | • | | | i • | • | • | • | | • | | | | • | | |
| ≥ 6000 ≥ 5000 | | • | • | | 1 . | | | | | | | • | • | • | | |
| ≥ 4500 ≥ 4000 | | • | • | , • · | • | • | ' = / - ' ' | | | • | • | • | | : | • | |
| ≥ 3500 ; ≥ 3000 ; | • | | • | | • | | | | • | | • | | • | | | |
| ≥ 2500 ≥ 2000 | | • | | • | # ** : : : : : : : : : : : : : : : : : : | • | | • | | | | • | • | • | | |
| ≥ 1800 ≥ 1500 | • • | • | | . 1 | | | | | • | • | • : | • | , . | | | |
| ≥ 1200 ≥ 1000 | • | | , | | | • | | | • | • | | • - | • ` | • | • • | |
| ≥ 900 ≥ 800 | • | • | 7 | | • | • | • | | • | • | • * | | | • | | |
| ≥ 700 ≥ 600 | • | • • | 7 . | | | | • | | | • | | • | | | | |
| ≥ 500 ≥ 400 | • | 1.1 | , . | • • • | • | | | • | | • | | • | | • | | |
| ≥ 300 ≥ 200 | • | | 7. | | • | | | | | • | | | • | | | |
| - ≥ 100 ≥ 0 | • | • | 7 | • | | • | • | · · · · | • • | | • • • | • | | • | | |

TOTAL NUMBER OF DESERVATION

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AND ADALOG SERVICE DETACHMENT AND ADECEMBER NO.

STATION

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CEILING VERS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | BILITY (ST | ATUTE MILI | E 5- | | |
|-----------------------|------|-------|-------|-------|-------|-------|----------|------------|-------------|-------------|-----------------|---|
| FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2'1 | ≥ 2 | ≥ 11; | ≥ 1. | _ ≥ 1 | ≥ ₁, | ≥ % |
| NO CEILING | | | | | 1 7 1 | | ٠. | | | | | |
| ≥ 20000 | • 1 | | 1.1 | · • • | 1 | | <u> </u> | | | <u> </u> | <u>. i. e.i</u> | مصاف سند ـ . |
| ≥ 18000 ≥ 16000 | • ' | 1 . 1 | 1 • • | | 1 . | , | | • | • | i . | | |
| ≥ 14000 ≥ 12000 | • | · 1 | 1 | | 1. | | | | | | | |
| ≥ 10000 ≥ 9000 | | | | 1 . 1 | • | • | 1 | | • | 1, | · · | |
| ≥ 8000 > 7000 | • | | - | | | | · · · | | <u> - ₹</u> | <u></u> | |) • • |
| ≥ 6000 ≥ 5000 | • | • | | | | · · | | | | | | - - |
| ≥ 4500 ≥ 4000 | • | | | • | | | | | | | | • = = = = |
| ≥ 3500 ≥ 3000 | • 1 | | | | | | | | | | | |
| ≥ 2500 ≥ 2000 | • | | | | • [| | | • ; | | • : | • | 1 |
| ≥ 1800 ≥ 1500 | n 1 | | • | • | • | | | , | | | • • | |
| ≥ 1200 ≥ 1000 | • | , 1 | | | | | • | • | | • | | • |
| ≥ 900 ≥ 800 | • | • 1 | | 1 | | • | У., | • • | • | • | • 1 | • |
| ≥ 700 ≥ 600 | • | | 7 . 1 | • | | • | • | • | | • | | |
| ≥ 500 ≥ 400 | • | | 77. | | | • | • | | | • | • | , |
| ≥ 300 ≥ 200 | • | • | 1 . 1 | | | • | • | | | | | |
| ≥ 100 ≥ 0 | • / | | 7 . 1 | | 7 | • | • | | ' 0 . f | 77. | | 1 TE 1 |

TOTAL NUMBER OF OBS

THINASHERATIVET MUS

CEILING VERSUS VISIBILITY

- HOLES . 5 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST. | ATUTE MIL | ES) | | | | | | |
|-------------------|---------|------------------|---|---|------------|---------------|------------|---|---|-----------------------------------|-----------------|------------------|-----------|----------------------|---------------------|---------|
| FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 213 | ≥ 2 | ≥ ניז | ≥ 11. | ≥ 1 | ≥ 1, | ≥ », | ≥ '3 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING | | 7. | 1 | 1 | 1 | : 7 | | 1 . 7 | , , | | 1 .7 | 1 • 7, | ٠., | 1 . | 1 7 | |
| ≥ 20000 | • • . | •. 1 | | - L- • L | 11-1 | 11. | <u>:1.</u> | <u>:1•</u> | • | 21. | 11. | 1 | .11.0 | 11. | <u>.:</u> ::. | 1. |
| ≥ ;8000 | • | 1 • 1 | 1 | 1.7 | 1:• | 11. | 11. | 11.7 | | 11. | 11.0 | 11.7 | 11.7 | 11. | ::•7 | 11. |
| ≥ 16000 | ٠. | | | <u></u> | • • | | 11.7 | 11. | 11. | <u> </u> | <u> </u> | <u> </u> | | . <u>. l</u> • '. | 11.44 | . 17.6 |
| ≥ 14000 | • | | • | • | 1 • | • | • | | • | 1 | 1 | i • | • | • | 1 | • |
| ≥ 12000 | • . | • | | • • | | | <u>. 1</u> | | • | 1 | 1 • | <u> </u> | | | | . 4 • |
| ≥ 10000 ≥ 9000 | • | | 1 · | | | 1 . | | l • ' | | 1 • | 1 • | 1 • 1 | | 100 | i `• ' | |
| F 1 | • ,- | | | <u> </u> | - | | | • | | | <u> </u> | 1 | • | · - | 1 | . i • : |
| ≥ 8000 ≥ 7000 | • . | • | • | n Norte and in the contract of the contract o | | - 14 a - 1 | 1 . | | | 1 . | | 16.0 | | 16. | | • |
| t - t | • | • | • | - , ± * <u>*</u> • | i - | + | | · - * • - • - • - • - • - • - • - • - • - • | <u> </u> | | | 1. | • | | • | |
| ≥ 6000 ≥ 5000 | | | | • | · • • • • | | • | • | | 1 . | 4 4 | 17 5 | 1 7 9 | 17 | 1 7 | • |
| † | • | | • | | | | | - | - !• ; • | - - | | | | | | • , |
| ≥ 4500 ≥ 4000 | - | | , | | | | | | | • | 4 | | | 1 • 1 | 7 19 1 | |
| ≥ 3500 | | | | 1 | 37. | | | | | | | + 1 | | 1.1 | $=$ \cdot \cdot | • |
| > 3000 | 3 . | | | | | | | | 4 | | | 4 | | | | |
| ≥ 2500 | | : | | | | • | 1 -1 | 1.1 | 1 | | 1. | 14 T 15 T | | ' دی آد∸ | Tyle: | |
| ≥ 2000 | | • | | 1 | 1. July 19 | , | | | | • • 5 | | 4.0 | . 1.6 | 60.00 | 40.4 | |
| ≥ 1800 j | | • • | | | 7 | · ·, ·· · | 70. | | | • | - V | | 7 | | | , . |
| ≥ 1500 | | 7.7. | 7 . | • | 11.6 | • | 21.4 | * , | 7: " | F 1 | • • | 1.00 | • • | • • • | 2 Tak | • 4 |
| ≥ 1200 | | | 7 | | | • | | • | | | 3 • · · | 7. | | | | 1. |
| ≥ 1000 | · • | • . | a de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición dela composición de la composición de la composición dela composición dela composición de la composición de la composición dela composición dela composición dela composición dela composición | · . | • 1 | 4 | 7.1 | 7.7 | • | | 75. | _ , ≠ • 5. | · | - 3 - 3 | T | · |
| ≥ 900 | • | -1 -1 • ₹ | * 1 | · · . | i | • | • • | • | * | ; • t | • | " • *· | * • * | | · `• • | • |
| ≥ 800 | · · · . | • . | • . | | • • • | · · · | <u> </u> | | • <u>_</u> . | | | <i>-15</i> • € . | ä.•£. | ^ • ' . | 140° • 6. | • |
| ≥ 700 | | • | * • 7 | 1. | • | 7 | • | • | • | • • | 7 to 💌 7 | * 4 • | or Act | 4 | 1 | • • |
| ≥ 600 | ٠. | • | <u> </u> | | | | | . <u></u> | | | ∄° | | • 1 | . ~ ^ <u>. i .</u> . | S. C. + 1. | • • |
| ≥ 500 | • | • | 7 . ~ | ! • | . 7 | • | *** | 1. | • | 27. | 9 . 1 | 7.1 | · · · · · | | W | • . |
| ≥ 400 | ٠. | • . | | | | _ • . | • _, | . <u> </u> | | $-\frac{1}{2}\cdot \frac{1}{2}$. | | ¥ <u>₹•</u> £. | 7. | | | • 1 |
| ≥ 300 > 200 | • | • | • | A * | • * | • | • | | 4 | 7 • 3 | 77.1 | ** 7 • 1 | · 1 | • 1 | | • |
| }··· = | • . | (• · | | · | | | | • · | <u>+</u> | - [•]. | 97.1 | <u> </u> | •1. | | ٠,٠,٠ | |
| ≥ 100 > 0 | . ' • | • | • | 1 • | • | • | • | *** | • • | 7.1 | • 1 | • 1 | . 1 | | • 7 | • |
| ≥ 0 | | • | - i - • ' | 1 • 4 | • | • | • | | | | 7 . 1 | I. | • 4 | 12 C | | |

TOTAL NUMBER OF OBSERVATIONS

CHRIAN CEANNET SY N

111

MANAG MEATHER SERVICE DETACHMENT, ASHEMBLE NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | · | | | VIS | BILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|-------------------------|----------------|------------------------|-----------------|------------------|----------------------|--------------------|--|--------------------|---------------------------------------|-----------------|--------------------|------------------|------------------|---------------------|---------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 115 | ≥ 1/4 | ≥ 1 | ≥ 3, | ≥ 4 | ≥ 14 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | • | • | • | • 4 | • 1 | | | • | • | • + • | • • | υ . | | C. | _ 3 _4. | |
| ≥ 18000 ≥ 16000 | | | | 1 .7 | 1 .7 | 3 , , , | 1 . | ; , ? ¹ | 1 , | i .• | 7 | 11 • 7 | 1 1 | 10.7 | 10.7 | 1.5. 1 |
| ≥ 14000 ≥ 12000 | • | 1.1 | 11. | 1 . 7 | 1 | 1 | 1 | 1 .7 | 1 1 • 7 11 • 7 | 117 | 11.7 | 1 . 7 | 1 | 11 | 35.7 11 | 11.7 |
| ≥ 10000 ≥ 9000 | | 11. | 11. | 11. | 11 11 | 11. | 11. | 1. | 11. | 11. | 11.1 | 11. | ;1. il. | 11.4 _11.1 | 11.5 | 11 |
| ≥ 8000 ≥ 2000 | | | 1 • | 1 |) . 16 • _ | 1 . | 1 . 1 4 • 1 | 1 | 17.7 14.7 | 1 14 | 13.0 | 17.7 | 17.5 18.2 | 17.4 | 11.4 | 1 . |
| ≥ 6000 ≥ 5000 | | 1 | i | 1 | 19 (*) 11 • 2 | 14. j | 1 . | 1 - • 5. 2 <u>• 2</u> 1 | 14.1 | 1 | | 10.5 | 1:0 | 14.7 | 14.5 | 1000 11002 |
| ≥ 4500 ≥ 4000 | 7 . . | 19.00 19.00 | 1 ° . ° _1 <u> </u> | 1 | 1: • 7 | 15.5 11.0 | 1 % • 1 1 2 • 1 | 1 | 1 7 | : • • | 14. | 11.57 11.27 | 1 • T | 16.47 | 14.** .13.*?. | |
| ≥ 3500 ≥ 3000 | .] •] | | 3 . 7 | • | , , \ | .,. | ****** | اه.ره ندفتات | | • • • • • • • • • • • • • • • • • • • | 7 | 7. | 1.,1 | 10. | 77.3 22.1. | |
| ≥ 2500 ≥ 2000 | : . : <u>1 / • 1</u> | | | | · ĩ • 1 | 7.1 | | ************************************** | | 3 / • * | <u> </u> | 6 3. 5 9 £ 6 1. | 2 2 | ي. بداف شا | ± 3 ⋅ 2 € 3 ⋅ 2. | • 1 |
| ≥ 1800 ≥ 1500 | • • • | i • | 7 • 1 | · 4 | . 7 | اء ۽ وہ اِنگوائيد | 17.1 | / 1 3 . 7 | , . . . | 71. | 71. . ::2.7. | 73.3 72.8 | 71.7 | 71.7 . 52.7. | 71.1 | |
| ≥ 1200 ≥ 1000 | , / • ** 1 | 71. | 7: • 5 | 7 . | 'i• | 7.4 7.4 | уо <u>.</u> | 14 . 3 . 3 | | 5 | | 21.2 | | | 1.5 | • |
| ≥ 900 ≥ 800 | . # | 7).3 | 7 - 4 | َد . ئور | 7.4 | 5 • 1) - • 7 | 39.7 5.7 | * • ; • • • • • • • • • • • • • • • • • • | 9 1 • 3 | · 1 • | 51.0 2.5. | -1. -2.4 | · • · · | | 41.5 12.5 | |
| ≥ 700 ≥ 600 | • | 1. | 7 . " | 0 . 1 | • : | 2 6 . 7 | 1. | اده ^د رغام ۱۰ | 4 | ، به به د از او یا ده | 60.7 | 94.5 23.1 | // 11. // | . 14. . 17.1. | 97.1. | |
| ≥ 500 ≥ 400 | • | , | 7 | 5 4 4 5. | 30 . 7 2 . 7 | 11.7 | 4.3. | 4 • t ! • • 5 | | 96. 46.95 | -7.7 -7.7 | -7-7 | 1. يَوْ دُونِ | | 1.1 | |
| ≥ 300 ≥ 200 | • | 71.7 | 7 | 7 . 5 | 7 | , | 7 | 4 | , , , 7 | 57.1 57.1 | 95.1 95.1 | 5 .1 66.1 | • ? | • • | 00.7 00.0 | 5.7 55. |
| ≥ 100 ≥ 0 | | /1.2 | 7 | 14.5 1.5 | 30 . ₹ | . 7 | 2 ° • 6 | 7 . | 7 • 7 7 1 • 2 | 77. | 55.1 9.1 | 7 4 • 1 2 · • 1 | 17. | | 90.4 75.4 | 79.7 17.42 |

TOTAL NUMBER OF OBSERVATIONS

CHRNAVOCEANMET 55'0S

MAVAL WEATHER SELECTICE SETACHMENT, ASHEVILLE, NO.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (STA | ATUTE MILI | ES | | | | | | |
|-------------------------|--------|---------------------------------------|----------------|--|-------------------|---------------------------------------|--|---------------------------------------|---|-----------------------|----------------|---------------------------------------|----------------|---|----------------------------------|--------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1', | ≥ 1% | ≥ 1 | ≥ 1. | ≥ 4, | ≥ % | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | • : | 11. | 11.5 | 11. | 11.5 | 1 | 11. | 11.7 | 11. | 11. | 11.5 | 11. | 11.7 | 11.7 | 11.2 | 11.7 |
| ≥ 18000 ≥ 16000 | • | | 1 | 1 | 1 | 13.0 | 1 | 11.2 | i • . | 17. | 1 . | 17.7 | 1 | 1 | 13.0 | 1 1 |
| ≥ 14000 ≥ 12000 | • | 11.4 14.4 | 1 | | i '• ' | 13.1 | 1 | 12.5 | 17.3 1 <u>7.5</u> 1 | 1 1.1 | 17.2 | · · · · · · · · · · · · · · · · · · · | 1 . 2 | 14.1 14.1 | 17.2 | *** |
| ≥ 10000 ≥ 9000 | | 17.4 13.4 | 1 | · · · · · · · · · · · · · · · · · · · | 1 . | 7. | 13.4 | 11.5 | 1 . | 13. | 1 | 13.7 | 1 | 13.5 <u>13.5</u> . | 17.5 13.45. | 10.2 10.2 |
| ≥ 8000 ≥ 7000 | · · · | (. | 1 • 1 | | 14.5 | · · · · · · · · · · · · · · · · · · · | 14.5 | 14.5 | 14. | 14. | 10.5 | 14.: | ۶ <u>، ۱</u> ۱ | 1 • • • • • • • • • • • • • • • • • • • | $\frac{1}{2}$. | · • • · |
| ≥ 6000 ≥ 5000 | 7 • 4 | | | | 1. | 15•" •••• | <u> </u> | 1 . 3 | 1 • ° | 1 • 2 1 • • • | 15.3 15.0 | 15.3 15.4 | | 11.7 . <u>1</u> 5. | | 1 • |
| ≥ 4500 ≥ 4000 | • • | . 1 • ¹⁰ | | 7 | 17.1 | 17.6 | 1 7 | | | 12.4 12.47 | 17.4 | 17.4 | 1 7 • 4 | 17.44 1 <u>9.7</u> 4 | 17.9 <u>-</u> 2.7. | |
| ≥ 3500 ≥ 3000 | • 1 | . 36 • 1 . 34 • 1 | <u>.</u> | 7 • 1 | * (• 1 | 7 • 1 | - 1 - 7 | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | 3 / • ! 3 / • ! | 77.1 | 37.7 | 27.1 27.7 | | 37.7 | 77.7 |
| ≥ 2500 ≥ 2000 | • | 7.7 | 61. | | 1.0 2.0 1.0 | 1.9 | · 1 • · | ۱۰۰۰ جنگانوند، | | م•ند •نع | <u> (6.1</u> | 1.1.0 2.5.1. | 1 | 14.9 14.44 | 15.1. | 1.1 |
| ≥ 1800 ≥ 1500 | | | 73. | 76.8 | 7 | - | <u></u> | • | | د . . د و <u> </u> | | -1.5 | | | 1.2 | 1. |
| ≥ 1200 ≥ 1000 | | • • • • • • • • • • • • • • • • • • • | 71. | 7 • 1 =================================== | - 1 · ! | 1.5 - 1.4 | | 7 • 4 7 • 4 | | - <u></u> | | 53. | | *** ********************************** | 36.7 | |
| ≥ 900 ≥ 800 | | 7.0 | / | 1 • V | 14 • 1. 15 • 1 | 7.7 | ৪৪ . ৫ ১৯ . ৬ ১৯.১ | 7 | | | - | 97. | · (| . <u></u> | | |
| ≥ 700 ≥ 600 | | 7.0 | - - | <u>.</u> | 7.4 | 3 · M 2 · Z 3 · Z | 31.0 | 17.3 17.3 | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | 05. | | Ç4 3 | 2 9 <u>2</u> 2 | . 3 | 76. | • |
| ≥ 500 ≥ 400 | | 7 | 7 | . 5 | 7 7 | 24 <u>4</u> | $\frac{31}{11} \cdot \frac{3}{6}$ | | <u> </u> | 95 <u>•</u> 5 | _56 <u>.1</u> | $\frac{76}{66} \cdot \frac{1}{5}$ | | 94. 5.7.1 | 97.1 | 1 1 4 L |
| ≥ 300 ≥ 200 ≥ 100 | | | 7.0 | • ö | 7.7 | 0.4 | ~1.3 | 730. | 1 4 | 95.5 | 96.5 96.5 | <u> 96.5</u> | 7 4 | _ <u>_ 7</u> • <u>y</u> • | \$\frac{1}{24} \cdot \frac{1}{6} | |
| ≥ 100 ≥ 0 | | 47. | _ | | . • | , o , g | | | • • | 13 64 61 | , , , | 6 | | • | 98.7 | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

1 r

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|-----------------------|------------|--------------------|---------|-------------------------------|--------------|------------------|---------------------|--|-----------------------------------|--------------------|-----------------------------|--|---------------------------------------|---|-------------------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 1% | ≥ 114 | ≥ 1 | ≥ ¾ | ≥ 4, | ≥ % | ≥ 5/16 | ≥ , | ≥ 0 |
| NO CEILING ≥ 20000 | . 1 | 4 • 4 1 • 1 | 1 . 7 | 12.5 | 1 | 12.1 | 10.7 | 1 | 10.0 | 12.5 | 17.0 | 10.4 17.4 | 11.7 | 12.6 | 12.1 | 1 |
| ≥ 18000 ≥ 16000 | | 17.4 17.1 | 1 | 1. • G | 1 | 12.0 12.9 | 12.5 | 1:00 | 10.5 | 12. 12.9 | 30.4 | 17.0 | 17.5 | 12.0 | 12.6 | 1 |
| ≥ 14000 ≥ 12000 | | 5. • d | 1 . | 1. | 10.5 10.5 | | 17.7 | 1 | 12.56 <u>12.6</u> 6 | 1 . | 17.9 12.0 | 12.9 12.8 | 1 7 7 | 17.6 | 17.0 | 1 |
| ≥ 10000 ≥ 9000 | • " | 1. • 1 | 1 | 12.7 | 1 | 17.5 | 12.9 | 17.9 | 10.00 | 1: | 1.0 | 10.7 12.2 | 1 . 9 | 12.5 | 1 3.5 | 11. |
| ≥ 8000 ≥ 7000 | , -1 | 3 tt | 1 3 . 3 | 7.5 a 3 | 17.7 | 13• !! 15• ?! | 13.2 | 1 | 1 | 1 | 1/• | 17 | 13.9 | 12.5 | 1:.0 | |
| ≥ 6000 ≥ 5000 | , | 15 • 1 10 • 1 | 1 • 1 | 1:.1 | 1:.1 | 15.1 16.1 | 15.i | 1 | $\frac{1}{1!} \cdot \frac{1}{1!}$ | 11 | 1 • 1 | 14.1 15.5 | 16.1 16.5 | 16.1 . 18.5. | 15 + 1 16 + 1 | 1 |
| ≥ 4500 ≥ 4000 | | 16. | 17.5 | 10. | 15.7 | 15.5 | 16.7 17.7 | 16.0 | 15.7 | 16. | 10.7 | 16. | 16.6 16.7 | 16. | 16.5 19.7. | 1 . 7 |
| ≥ 3500 ≥ 3000 | 1 • 1 | . u . | 35. | 7 1 • 5 34 • 3 | 35 € 84 € | 74 | 28 • 1 34 • 6 | 34. | | 74 • 1 74 • 1 | 35 • 5 34 • 5 | ; 4 . 4 <u>34 . 4</u> . | | 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 20.5° | 14.1 |
| ≥ 2500 ≥ 2000 | ! • ! • | 4 • 1 | 5 1 | - 8 - 1 - 8 <u>- 8 - 7</u> | 4 . 1 51. | 1.3 • i | 42.1 <u>20.1</u> | 1 | 4 ! . <u></u> | 41.1 .51.21 | 6 1 . 1 5 2 • | 4: .1 | 52.0 52.0 | 43.1 .2.26.1 | 43.1 12.0. | 0 .1 1. es |
| ≥ 1800 ≥ 1500 | · • | • 7 • • • • • • | 71. | γ3•9; 71•5! | 74.5 | * • 5 | 56.8 73.2 | 5 • 1' - 75 • 7: | 10.1 10.1 | 7 2 • P : • 2). | 20 € 1. 22 € 1. | - 6 0 • 5 - 2 • • 2 • | 12.3 12.3 | . 65 €. 1 5 ± €2. | ς 5 ± ° Τ⊥ • 1. | • |
| ≥ 1200 ≥ 1000 | | 7.7 | 77.5 | 7 ? | c | D • (| 63 • ° 3°• | <u>. 1 •</u> | 4.5 | رئون ئيو ئا | :4.° .91.1. | 14.3 1.3 | ∵.: 1•∟. | 1. 6. | 1.2. | |
| ≥ 900 ≥ 800 | 1. | 7 1 | 77.7 | ેલ ્ટ ંવ ્ડ | 7.1 57.1 | 7 • 1: | 59.7 | 11.00 11.02 | 3.0 | 7 4 7 | - | : .خافائند | 3•6 (•11: | , <u></u> | in Name intagen | |
| ≥ 700 ≥ 600 | · · | 7 7. . <u>7</u> | 7 • 4 | 7 4 6 60 7 4 6 50 | | *** | 91.3 | 3 • • [• • • • • • • • • • • • • • • • • | | 15.0 08.00 | 75.0 | 94 <u>95-5.</u> | 04.1 3 <mark>7.1</mark> | - °^ •: . 2∄•1. | うた。1 直 7。1 、 | |
| ≥ 500 ≥ 400 | | /1. | 7 | , , , | G | 75.7 | 9. | 6.7° • 1 | * 6 • 5 | 7.4 | ~ 7 • 7 - 2 • <u>7</u> • | 57.7 <u>91.7</u> . | · · · · · · · · · · · · · · · · · · · | , 6 .4 . 19. <u>4</u> | | · · · |
| ≥ 300 ≥ 200 | | 11. | 7 . | 7.5.5 | 8 | 9.7 | 92.6 92.4 | | n • t | 98.7 | 94.7 - 94.7 | 94.7 94.7 | 97.7 | ००.म. - <u>:</u> 9 <u>?</u> . | 19.7. | |
| ≥ 100 ≥ 0 | | 71. | 77. | 0 L _ E | 30 . ↑ 30 | 79.7 9.7 | 42.5 | 25.05 15.05 | اه و د د رکو ک | A 5 - | 30.7 | 7: • 7 00 • 7; | 96.7 96.7 | ((() 7 () () () () | -5.7 <u> 1.3.0 </u> | 7 . 12 . 31 |

DIRNAVOCEANMET SMOS

13

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | BILITY (ST | ATUTE MIL | ES) | | | | | | |
|--------------------|----------|----------------------|----------------------|-------------------|---------------------------------|-------------------------|--------------|--------------|--------------------------|---------------------------------|---------------------|--------------|-----------------|--------------|---------------|------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 115 | ≥ 114 | ≥ 1 | ≥ ¾ | ≥ 4, | ≥ '3 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING | • | | 1 - • | 16.9 | 14. | 14.5 | | 14. | 14. | 1 4. | 11. | 14.3 | 10.0 | 14. | 14 | ••• |
| ≥ 20000 | • | | 1 | 1 4 • 6 | 16. | 24.4 | 14. | 14. | 144 | 3 - • | 1 | - 4 | 100 | | . <u>. k</u> | |
| ≥ 15000 ≥ 16000 | • 7 | L | 1.4 | -1 -5; -17.48i | 16.6 16.6 | le • h | 1 | 15.5 15.5 | 1 • " | 15. ' 15.5 | 15.5 16.6 | 15.5 | 1 | 11.5 | | 1 . |
| ≥ 14000 | | 1 . 1 | 1 . 5 | 14.5 | 1 : 5 | 15. | 10.5 | 1: | 15.0 | 1 | 1/.5 | 17.0 | 15. | 16. | 17 | |
| ≥ 12000 | | | 1 1 | 10.3 | 14.00 | 10.7 | 17.0 | 11 | 10. | | 16. | 18.4 | 14.0 | 16.0 | 1 | |
| ≥ 10000 ≥ 9000 | | 17. | 1~• % | 1 | 14. | 16. | 1 . | 10. | 17.5 | 1 | 11. | 10.2 | | 15. | 1 | |
| | | 16 | 1 7 | - 1 5 • 1 · | 17.1 | 17.1 | | | <u> </u> | 1300 | | | | <u> </u> | | • |
| ≥ 8000 ≥ 7000 | • | 17.4 | 17.7 | 27.7 | 17.7 | 17.4 | 17.1 17.7 | 17.7 17.7 | 17.1 | $\frac{17 \cdot 1}{17 \cdot 7}$ | 17.7 | 17.7 | 17.7 | 17.1 | 17.7 | • • |
| ≥ 6000 ≥ 5000 | | 10.4 | 1 . 7 | 1 | 12.7 | 10.5 | 1 | 1 . 7 | 1 | 1 2 . 7 | 15.4 | 18.7 | 12.7 | 18.4 | 19.4 | • |
| ≥ 4500 > 4000 | | | 24.0 | 7 | | 7.7 | 70.7 | | 7 | - <u></u> -, | · · · · · · · · · | | 7 | | | • |
| ├ ─ | • • | | - , -, -, | 7 14 6 7 | | 4 . : | 7 7 | | - | | | | | | ÷ . | |
| ≥ 3500 ≥ 3000 | • | 7 | • | 3 . 7 | | | 38.7 | | - 4 · 7 | 3 | 7 | | • • | 7 | 72.7 | • |
| ≥ 2500 ≥ 2000 | • | 7. | 01.0 | 53.3 | . 1 • ₹ . 4 • • | 1. | 51.7 | 1. | | 1. | 1. | 1. | 1 1 . A | 1. | 1. | 1. |
| ≥ 1800 | | 7.4 | 3.7 | | 10.1 | 6.1 | L.E . 1 | 6. | · 5 • | ′≛ . t ⊋ • ″ | 6 | | | | | • |
| ≥ 1500 | <u> </u> | 1 to 1 H | 7 7 • 4 | 7:49 | 72.7 | 79.0 | 7:.7 | 3 • 2, | | • . | · | • ". | • 1 | • | · ^ • ′. | |
| ≥ 1200 ≥ 1000 | 1.0 |) | 73.9 | 7 • . ? | ક ાં. જ ુ .પ | ા ા . ાં -ક•ો | 37.1 | | 1 7 . h | 1361 | 37.7 | • 7 | | 73.4 | | • |
| ≥ 900 | | | 7 | | 17.4 | 9.4 | 32.7 | 7 3 | | 7 | 7 | , | . 7 | , , , | . 7 | • |
| ≥ 800 | | | | | | . 0 . 7 | 90. | 1 | | | • | • 1 | • 1 | | | . • |
| ≥ 700 ≥ 600 | 1. | 1 5.45 () | 77.1 | اھيندھ اؤني د⊝ | ्ड ं • 7ीं पुरुष्कारी | 1.5 | २४.६ ५६.३ | 3.3 | 3, 6 , 7 31, • | 34.5 | 56 | 04.5 96.4 | 54 . S | 5 k | 64.5 | |
| ≥ 500 | | 3 . 4 | 7 • 1 | | 91.4 | 72.4 | 24 . 0 | - R . () | 44. | 37.1 | 4 7 | 27.7 | e 7 . 7 | 7, 7 | ۶ 7. * | 7. |
| ≥ 400 | | • • | 7 • 1 | 3 | 61.6 | | <u> </u> | | 96. | <u> </u> | . ⁷ - 7. | <u>57.7.</u> | 7.7 | | 47.7. | . 1 |
| ≥ 300 ≥ 200 | 1 | 1 50 . 7 1 | 7 .4 | 26.4 50.1 | 12.7 92.4 | 33.0 | 97.0 | 97.1 | 97.1 | 93.1 | 30.7 | 28.7 | 7 - 7 91 - 7 | 0 0 0 | 98.7 | 0:47 |
| ≥ 100 | 1 • | 1 | 7 . 4 | 9 6 • 1 | 07.3 | 3.1 | 5 F . 2 | 27.1 | -1.1 | 98.1 | 2 7. | 20.7 | 23. | 9.4 | 33.7 | 26.7 |
| ≥ º | 1 • 1 | } t •• ? ! | 7 0 • ₩ | - 5 . 1 | | 3 • o | 9 = 1 | 7.1 | · • 7 • 1 | . P ∪ • 1, | 75.7 | 53.7 | ୍ଦ୍ର 💍 | . 57.4. | 39.7 | |

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|--|--|--------------|--------------------------|-------------------|--------------------|--------------------------|-------------------|-------------------------|---------------------|---------------------------------------|---------------------|--|-----------------------------|-------------------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ 34, | ≥ % | ≥ ⅓ | ≥ 5/16 | ≥ 1. | ≥ 0 |
| NO CEILING ≥ 20000 | • 1 | 1 . | 17.4 18.0 | 1 .7 | 1 3 • 7 | 13.4 14.1 | 17.7 | 11.7 | 13.7 | 13.7 | 13.7 14.1 | 18.7 | 1 . 7 | 13.7 | 13.7 | 11.1 |
| ≥ 18000 ≥ 16000 | | 14.9 | 14.5 14.3 | 14. | 14 • 7 11 • 11 | 14.7 | 14.7 | 14.7 | 1 | 14.7 | 1 4 . 1 | 14.7 | 1 4 • 7 | 117 | 14.7 | 14.7 |
| ≥ 14000 ≥ 12000 | | • • | 1 1 | 1 ,2 | 17.1 | 15. 15.5 | 15.0 | 1 . | 1 | 1: • 1: • ? | 15.5 | 15.2 | 15.5 | 15.0 | 15.0 | : · . |
| ≥ 10000 ≥ 9000 | • ' | 15.3 | 1 (-7) | 15.3 | 1 . 3 | 15.3 | 15.3 | 15 - 31 15 - 3 | 15.2 17.2 | 1 3 | 1 | 15.3 | 17.7 | 1 | 15.3 | 1 |
| ≥ 8000 ≥ 7000 | | 18 • 1 | 1 · . d | 17.5 | 16.5 17.1 | 15.1 17.1 | 14.7 | 10.7 17.1 | 10.7 | 10.3 17.1 | 1 • 3 | 11.3 | 17.1 | 14.3 17.1 | 17.1 | 1 |
| ≥ 6000 ≥ 5000 | | 17. | 1 . 7 | 17.7 | 17.5 | 17. | 17.5 | | 17.0 | 1 .4 | 17.5 17.4 | 17.8 | 17.0 | 17 18.4 | 17.9 <u>13</u> .9. | 1/** |
| ≥ 4500 ≥ 4000 | | 1 . i | 17.5 23.1 | 31.0 H | 27.0 | .j.: | 27.0 | 77.00 | 3 0 • 7 3 • 7 | 2 3 • 5 | 20.0 | 25.00 25.00 | • | 23.2 | | · · · · · |
| ≥ 3500 ≥ 3000 | 4 • 1 • • • • • • • • • • • • • • • • • • | 77.7 | 3 | -50•α - <u>7-•</u> γ. | 37.5 | 9 . 1 | 30.4 39.1 | 30.1 | • fi | 10.5 10.1 | 20.5 N.1 | 22.6 27.1, | 1 | 39.1 79.1 | .20.6 <u>.7</u> 0.€. | ~0. ₹~. |
| ≥ 2500 ≥ 2000 | <u></u> 1. | نو په داره د د و و د | | 11•1 <u>53•€</u> | 64.6 | .a . 7 | 57.1 | - 1 + 3 4 - 3 | 1.1.7 | 51.0 <u>65.6</u> | 51.0 55.6 | 51.5 <u>65.5</u> | 1.9 1.1.4 | 51.€ . 59.€1. | 11. 67. | |
| ≥ 1800 ≥ 1500 | • 1. • | 1 . 7 1 . 1 | 7 . 1 | 74.5 | 57.0 | 7.3 | 67.5 <u>72.5</u> , | 74.3 24.3 | 7 | 77. | 79.5 | 60.6 22.6 | 75.7 79.5 | | 12.5 | • |
| ≥ 1200 ≥ 1000 | • 3 | | 7 • 4 | 77.1 | 4 - 7 - 4 - 7 | -D.E | 7.4 | | | : "3•+ : 22•} | - 13.3 - <u>27</u> .±3. | 3•7 <u>3</u> •9. | • | | | |
| ≥ 900 ≥ 800 | • 1 | 69.4 69.8 | 7:00 | 23.6 | 86.7 | 7.0 | 96.1 96.1 | -1.5 | 11.4 | 3 1∠•7: | , , , , , , , , , , , , , , , , , , , | | | | | |
| ≥ 700 ≥ 600 | · · · · · · · · · · · · · · · · · · · | 66 € γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ | 7 | 27.3 | | 19.4 | 51.4 30.9 | 7 • 6 | ti , | ~ . 6 | 4 • 4 | 4 • H | | | | • |
| ≥ 500 ≥ 400 | · · · · · · · · · · · · · · · · · · · | • | 77.1 | 55.7 | 80.0 | ر. دی. | 30° है। दर ् य | 114 | | 67.1 | 97.5 | 67.3 87.5 | · · · / · · · · · · · · · · · · · · · · | | | |
| ≥ 300 ≥ 200 | •] | 70 • 1 | 77.7 | 11.7 | 89.0 | 7.1 | 4 5 . 4 | 1 | • • | 97.6 | 99.1 | *** • 1 ** • 1 | . 0 | . 340•f - 95•3 + 25•3 | 52 · 1. | |
| ≥ 100 ≥ 0 | | 71 . 1 | 77.0 | · · · · 7 | 89.1 | 5.3 • 1 5.4 • 1 | 1.7.4 | | 25 • 3 | 7.7.6 97.6 | 98.1 98.1 | | # 6 • 1 ₹ ? • ? | 79.1 | 60.0 <u>1</u> | 99.4 (70.6) |

DIRNAVOCEANMET SMOS

4 4

NAVAL WEATHER SERVICE SETAURNS VE ASHEVITLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST. | ATUTE MIL | ES) | | | | | | |
|-----------------------|---|------------------------|---|--------------------------|---|-------------------------------------|----------------------|----------------------------|----------------------|-----------------|----------------|--------------|---------------------|----------------------------|--------------------|--------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 214 | ≥ 2 | ליו ≤ | ≥ 1% | ≥ 1 | ≥ 2. | ≥ 4 | ≥ ′3 | ≥ 5 16 | ≥ '• | ≥ 0 |
| NO CEILING ≥ 20000 | • | 1:41 | 1 | 1 | 1.5 | 13.0 | 13.5 | 13.5 | 1 . 3 | [| 17.0 | 13.1 | 17.5 | 13. | 1 | 1 |
| ≥ 18000 ≥ 16000 | • " | 14.4 | 1 .] | 13.7 | 1 . 5 1 . 5 | 13.5 | 3 . 7 | 15.5 | | 13.3 | 1 . | 15.5 | 1 • 5 | | 1: | |
| ≥ 14000 ≥ 12000 | • | 14 . 1 14 . 1 | 17 | 1 . j | 10.7 10.1 | 15.5 | 15. | 14.3 | 1 . 7 | 1 : | 1 | 15.3 15.3 | 1 | | 15.5 | |
| ≥ 10000 ≥ 9000 | . <u> </u> | 1: • 5 | 1 .7 | 1 . 7 | 1 . 7 | 15.7 | 16.7 | | 17.7 | | 1 7 | 1 7 | 11.7 | 10.7 _ <u>1</u> 7. | 16.7 11.7 | 1 . 7 |
| ≥ 8000 ≥ 7000 | • • | | 1 | 37.7 | 17.4 | 17.0 | 17.7 | 17.4 | 17.7 | 17.7 | 17.4 | 17.4 | 17.6 | 17.4 | 17.4 | 1 |
| ≥ 6000 ≥ 5000 | • 1 • 2 | 10.1 | 1 | 1 . 0 | 17.4 | 19.4 | 15.0 | 1 | 10.0 | 17. | 1 • • | 1 | 10.0 | 19.6 | 17.4 | 11 |
| ≥ 4500 ≥ 4000 | | 1.1 | 21.7 |) . d | 31.4 | 13.9 | 23.5 | 11.6 72.0 | 77.0 | 71. | 21.0 | 71.5 23.7 | 71.4 77.7 | 21.6 | | |
| ≥ 3500 ≥ 3000 | | 7.7 | 3 | 7 • 37 <u>4 • 4 †</u> | 31.5 | 7 4 a 1 | 36.6 36.6 | 70.1. | 2 (• ") 2 (• ") | 30.5 | 30.00 70.00 | 20. 13.5 | | 76. 76. | ga.ori ge.€j | |
| ≥ 2500 ≥ 2000 | • | • | ان و در ادا از ادار ادار ادار ادار ادار ادار ادار اد | . 7 | 4 () () () () () () () () () (| 1.1 | 67.4 | 47.4 | 57.4 | 51.6 61.4 | 51.4 67.4 | 51.4 62.4 | 1.4 | 94.6 57.6. | 11.4 17.4 | (1 • 1) (* • 1) |
| ≥ 1800 ≥ 1500 | | £ . / | 71. | 7. | 77.7 | 70.4 | 3 | 31.4 | 11.5 | 11 <u>11 11</u> | 11.4 11.4 | 63.8 51.6 | 61.5 11.6 | 1.5 | 1.5. 1.1. | · |
| ≥ 1200 ≥ 1000 | • T | •] | 76.1 | 7 7 | - 1 • 5 ₁ | | 34.4 <u>°</u> €4. | | | ~1 <u>•1</u> | 21.1. | 73.5 71.1 | 1.1 | 1.1 | 1.1 | ***! **1•; |
| ≥ 900 ≥ 800 | • 1 | , | 77. | 7.0 | 17.6 | ٠. | 32 • 3 | + 3 <u>• 8 ·</u> | 10.00 10.00 | 32.51 24.7 | 56.7 | 72.0 28.7 | -4 • 7 | 2 • f 24 • 7. | . 4 | • |
| ≥ 700 ≥ 600 | ". جوٹ ندم | 71.% - <u>22.</u> % | 7 . 1 | 43.3 3.7 | 3 .7 | 19.17 1.1 | 77.1 | | 4 . 7 | 44. | 95.5 | 26.3. | 11.7 11.5 | - 66.7 .76. <u>€</u> 1. | · 7 · 5 | • |
| ≥ 500 ≥ 400 | | 1. | 7 • 4 | 2.7 | 37.1 | ار الاران ام الاران ام الاران | | 76 • 11 | • 1) | 57.5 | 37.7 37.5 | 97.9. | · : | 1.7.6 1.7.8. | 57.5 34 | • |
| ≥ 300 ≥ 200 | •] | 1. | 7 | * 3 • 7 | 35.4 | 11.01 | 54°. | · c • 1 | + | + | 9 . 2 | 95.2 | 75.6 <u>71.6</u> | -34.4 -95. e ⊈. | 24.5 | |
| ≥ 100 ≥ 0 | • ** | 71.0 | 7 . | 3.7 | 07.4! 37.4 | 3.0 | 94. 94. | -0 • 1 - <u>- 1 • 1</u> | 79.10 5.1 | | 70 € 21 | | 7 . 4 | িচি•চ <u>এভ•চ</u> | ର୍ଚ୍ଚ ୍ ଞ୍ଚ | 77.7 [:•." |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|-----------------------|---------------------------------------|---------------------------------------|-------------------------------------|----------------|---------------------------------------|--------------|---------------|---------------------------|---|--------------------------------------|--|---------------------------------------|---|---------------------------------------|----------------------|-------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ביו ≤ | ≥ 11. | ≥ 1 | ≥ ¾ | ≥ 4, | ≥ ⅓ | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | • 4 | | 1 | 13.5 | 13.5 | 17. | 13.5 | 1 | 1 4 . 1 | 13. | 13.5 | 17.5 | 17.5 | 17.5 |);. 14. | i . |
| ≥ 18000 ≥ 16000 | • • | 13.1 | 1 . | 13.0 | 11. | 13. | 14. | 17.5 14.2 | 14.0 | 1 2 • 2 | 13.5 | 13.3 | 1".9 | 17. | 17.5 | |
| ≥ 14000 ≥ 12000 | • *1 | 1 4 . " | 1 ? | 14.2 | 14.3 | 14.0 | 14.7 | 10.2 | 14.7 | 1 4 | 14.7 | 14.2 | 1 - 1 | 14.7 | 14.1 | 1 4 |
| ≥ 10000 ≥ 9000 | • | 14.7 18.1 | 1 | 14.00 | 14.6 14.6 | 14.5 | 14.0 | 16.9 14.1 | 14.5 24.5 | 14. | 14. | 14.7 | 3 4 . 5 | 14.0 14.0 | 14.9 | 10. |
| ≥ 8000 ≥ 7000 | • | 15.7 | 1 | 1 -6 | $rac{1}{1}$ | 1.5 • 5. | 16.0 | 1 .0 | 1.4. | 13.0 | 1 . 6 | 11.6 17.6 | 17.6 | 15.6 10. | 15.6 | |
| ≥ 6000 ≥ 5000 | ية. بخير | 1 | 11.7 11.7 | 10.7 12.0 | 11.7 | 11.7 | 17. | 12.7 | 1 • • • • • • • • • • • • • • • • • • • | 17. | 10.7 | 15.7 <u>17.</u> 0. | 1 7 1 F | 16.7 17.1. | 16.7 | |
| ≥ 4500 ≥ 4000 | • | 1 | | 1 .7 | 21. | 12. | 1 · · | 1 1 - <u>- 1</u> | 1 ° • " | 1 | 21.5 | 11.5 | 1 1 • • • • • • • • • • • • • • • • • • | 13. . <u>21</u> , | 15.0 | |
| ≥ 3500 ≥ 3000 | • • | | 3 | | 35 • · | * • · | 25.3 37.65 | ```. | • | . 25 • . <u>12 •</u> . | 37. | 37.5 | * * * * * * * * * * * * * * * * * * * | 25. | .30.∓ .33.•1. | • |
| ≥ 2500 ≥ 2000 | • | | | *1•1 | • . | -2.07 5.0 | 47.4 5.44 | ৰ্ফানুদ <u>- 2•৩</u> , | | ` ≒ 5 • 6 2 % <u>• 5</u> . | 우 강 - 현 <u>호텔 - 함</u> | 42.9 <u>33.9</u> | | 42.5 74.5. | #?•3 36•3, | · · · |
| ≥ 1800 ≥ 1500 | • | 1 | 5 *• t | . " <u></u> | 7".5 | 7 • | 7 | /3•4 3°•±4 | _ 47 . 4 _7_ <u>.</u> 4 | -62•4 - 7 3•5, | $rac{d\hat{x}}{d\hat{x}}\cdot\hat{x}$ | €2.3 79.1. | 7/•1 | . 7 • 1. | P' • 1. | • . |
| ≥ 1200 ≥ 1000 | • 11. • 11. | | . <u> </u> | 77.7 1 | 4 . | 7. | 53.7 | ** • i | 7 1 • 1 - 1 • 1 | * | 1 | | 77.7 | . 19.1. | | • |
| ≥ 900 ≥ 800 | • | • • | 7 . 7 | 1 | 5 A . 79 | 7.6 | <u>72.0</u> | 7] • 1. - 14 • 7 | 71 • 5 74 • 7 | /1. | | - 30 • 5 - 15 • 4 | 7 | · · · · · · · · · · · · · · · · · · · | | • |
| ≥ 700 ≥ 600 | | ، ان•نت | $\frac{72 \cdot 1}{7 \cdot \cdots}$ | 1. | 7. | 20.7 11.0 | 53.3 64.3 | 7 | • 7 | 15. 1 | 1. (• ? 1. (• 3 | · · · · · · · · · · · · · · · · · · · | ****1 **]*;? | ^ • · · . ^ • <u>· ·</u> · | | 7. |
| ≥ 500 ≥ 400 | • . | • • • • • | 7 • • | • | · · · · · · · · · · · · · · · · · · · | 1.4 | 14. | | 0.5 | 77. | 67.5 | 37.5° | | 37. . ∐j.±≥. | | 7. |
| ≥ 300 ≥ 200 | • : | · · · · · · · · · · · · · · · · · · · | 77.6 | • 3 | 27. | *) • 4 | 4 ii 🎳 | .1 | 147 📲 | 27.3 | ` 7. ° | · · · · · · · · · · · · · · · · · · · | 7 7 | 12. | ु€.4 ५३ <u>.7</u> | |
| ≥ 100 ≥ 0 | * * * * * * * * * * * * * * * * * * * | - (€. • 1) - • €. • [i] | 73.46 77.66 | | 37.0 57.0 | • 4 | | 55.1 | 15.5 15.5 | 7. 77. | 97.5° | • | و <u>د د د</u> | 19.7 69.7 | , 4.7 |) |

| TOTAL NUMBER OF ORSERVATIONS | |
|------------------------------|--|
| | |

NAVAC WEATHER SEIDLING DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | · | | VIS | BILITY (ST | ATUTE MILE | S) | | | | | | |
|------------------|---------|---------|-----------------|---------|-------------|---------|--|-----------------|------------|-------------|------------------|---------|-----------------|---------|--------------------|--|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ביו ב | ≥ 11. | ≥ 1 | ≥ 1, | ≥ 4 | ≥ 1⁄2 | ≥ 5-16 | ≥ . | ≥o |
| NO CEILING | • 7 | | 1 . | 1 | 2 - 1 | | 1 7 | | 1 | 1 | i ~ · | | | 1 | 1 | |
| ≥ 20000 | • _ | | | 13.5 | <u> </u> | 13. | _1 | | 1 | 1 | 17. | 1 | <u> </u> | | · · · · · · | `• |
| ≥ 18000 | • " | 1 : • i | 1 '• " | 1 7 • 1 | 17. | 13. | 15.1 | 17.6 | • | 17. | 1 / | 3 *• - | | 10. | 17. | • |
| ≥ 16300 | • | . 13. | 17. | 1 | 1 | | . 3 . · | <u>. 1 1</u> | | <u> </u> | 1 7 | 1 . | _ <u>i_`</u> •_ | . 12. | 17. | ! |
| ≥ 14000 | • | 1 5 • | 1. | 1 4 | 1 | 13. | 17. | 17. | 1 | 100 | 17. | 1 1 | • | 1 . · | $(1, n \bullet)^2$ | • |
| ≥ 12000 | • | | 1 4 • "1 | 16.0 | 14.5 | 1.4 | 14.5 | 10. | • _ | 1 | 1 | 7 = • 1 | 1 | 18.5 | 1 44 | . i |
| ≥ 10000 | • | 39.67 | 1 2 . 7 | 14. | 1 | . 4 . | 14. | 19.00 | | 14. | 1 | 14. | h . | 14. | 24.0 | . t 🕌 📑 |
| ≥ 9000 | • ` | 1 - | 1 • "j | 1 4 | 14. | 19. | 14. | (4.7) | 24.2 | 13.2 | 11. | 14.1 | • • • | 14. | 14." | 1 |
| ≥ 8000 | • | l - • 1 | 1 . 7 | 1 | 1 . 7 | 1 | 3 5. | | 1 . 7 | 1 | I . | 1 3 | | 1 | 200 | • |
| ≥ 7000 | • | 11. | 1 * | 1 . 3 | 10.00 | 16.7 | 10.0 | 1 | í | 1 | 1 * • * | 15.7 | • | 16.7 | 1 | |
| ≥ 6000 | • | | 1 | 1 7 | 1 . 7 | | 1 3 | 1 | 1 | | 1 " | 1 | | 1 . | 14. | ` |
| ≥ 5000 | • ` | 14.5 | 1 6 | 11.00 | 1 | 17.5 | 17.4 | 200 | 17.4 | 2004 | 17 | 14 | 1.1.4 | 17. | 17.4 | |
| ≥ 4500 | • | 77. | 1 | 7 | | 7 | 13, | · · · · | 17.7 | | 15. | 7 . 5 | | | 19.5 | • |
| ≥ 4000 | 1.1 | 1.4 | | 1.6 | 21. | 1 | 21.0 | . 1 . 1. | 11.0 | | 21.0 | 21.0 | 12.0 | 71. | 11. | |
| ≥ 3500 | | · | | | 40 . · | | 25. | - <u> </u> | | | - - • | | . 1 | | | ! |
| > 3000 | 2.4 | 30.0 | 34. | 77.1 | 57.2 | .7 . 1 | 7. | 7.7 | 5. | 17. | 37.7 | 12.2 | - · | , y . | 77.5 | 7 |
| ≥ 2500 | ` i • ' | | ্লেট 📆 | | F 1 | 1.1 | 1.1 | 1.1 | 1.1 | | 1.1 | i • i | 7.1 | 1.1 | 11.4 | |
| ≥ 2000 | | • | t. • 1 | | 6 T | | 6.5 | | | · | 41. | | 4 | | 94.3 | |
| ≥ 1800 | . • | | Z | 1. | | 100 | 7 | 1. | | 17.7 | 7.7.7 | | 7 | 7. | 1: 1 | |
| ≥ 1500 | 1. | ٠. | 7 7 . " | 74. | 17. | | 7 . 3 | | | 5.1 | | | | | | |
| ≥ 1200 | · · · | | 71.1 | 7 | 1. | 3, | | | 0 _ 6 | -, | | 4 | | . 1. | | |
| ≥ 1000 | | , | 7 .7 | 1. | 7 | | | | | e | 100 | | | - A - | 1.1.1 | |
| ≥ 900 | | | | | | 7 . | · • | | | 31.1 | 11. | 1. | | 1. | 01.3 | |
| ≥ 900 ≥ 800 | ٠. | | | | 17, 4, | 7 | 5 1 . 0 | | | | | | • • (| 6.1 | 5.4 | |
| | | | | | | | 5 6 | | | | | 7.4.7 | 2.4 | | | ٠, ٠, |
| ≥ 700 ≥ 600 | | 2 | • | | ,] | | | | | 14: - 1 | | | | <u></u> | F . | |
| } [−] † | | · | 7 7 | 7 7 | | - 7 - 7 | | | | | | 9, | | • , • | | . • 1 |
| ≥ 500 ≥ 400 | | | - | | | | 31. | • | | | | | | | | - ! |
| ├ | | | | | -3 | | | = - | n=i | | · , , | 7 | • • • | • • • | | • • |
| ≥ 300 ≥ 200 | 1. | | . 1 | 1.1 | _ | | | . 7 | | | ^ - | 77.2 | 7.0 | ~ , | 6. | • |
| | | | - + | 1.7 | | | □ 1 • • • • • • • • • • • • • • • • • • | - ;• | | | 773 | | • | • • . • | | |
| ≥ 100 ≥ 0 | • | | 1 | , , | 7. | | 1. | | ٠, | 7 | 7 | 7.7 | | • | • | , ' |
| | | | | • | | | | • / | | . / • | • | | • • | | <u>`·</u> | لـــــــــــــــــــــــــــــــــــــ |

TOTAL NUMBER OF OBSERVATIONS



CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MILE | ES) | | | | | | |
|------------------|-------|---------------|-----------|---------------------|---------------------------------------|-------------|-----------|-------------|------------|-------|-------|-----------|---------------|---------------|-------|---------|
| (FEET: | ≥ 10 | | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 215 | ≥ 2 | ≥ 112 | ≥ 11. | ≥ 1 | ≥ 4 | ≥ 4 | ≥ 4 | ≥ 5 16 | ≥ . | ≥ o |
| NO CEILING | • | • 1 | | • 5 | | 9. | • | ī | • * | •: | • | • | • : | • | · · · | |
| ≥ 20000 | | 1.1 | • | | | ب و د | • " | | | | : | | | | | . (|
| ≥ 18000 | | | · • · · 1 | • | | | • | | • " | | | | • | | ٠.٠ | - |
| ≥ 16000 | | 1.0 | • 11 | • 4 | | | ^. | `•`• | • ' | | | | | | | |
| ≥ 14000 | | • 1 | 1.6 | - A U | | 2.5 | | / | • | | | • | | | · • | |
| ≥ 12000 | • ' | ' · · · • · • | A | 1 . 14 | C 🛊 5 | · · · | 15 g 17 | | • | | • | | | • | | |
| ≥ 10000 | | | 1 | 1 | 3 . * | 1 . | 1 | 1 . | | , , | 1 | | | | | • |
| ≥ 9000 | | 111.0 | 1 . 4 | | ١" | 13.10 | | .) | , | 1 . | 1 | | 3 1 | | | |
| ≥ 8000 | | . 1 . | 111 | 11.7 | 11. | 11.7 | 13. | | 11.7 | 11. | 11. | :1. | ٠ <u>٠</u> ٠, | | , , | ٠,, |
| ≥ 7000 | ~ • | 16.1 | 12.4 | 14.7 | 10 0 | 14.4 | 1 | | | 18. | 1.4 | 14.5 | 1 - | | , d | 1 |
| ≥ 6000 | | 1 | 1 | 1 | 1 . | 15. | | | 1 -, | 1 . | 1 | | | | | |
| ≥ 5000 | , . | | 1 . " | | 1 - | 14. | 1 3 . ~ | | • | | 9 . 7 | | , | | | • |
| | - , | | 1 | | 1 , , | - 1 | | | | | * ** | | | . ~ . • | | ٠. |
| ≥ 4500 ≥ 4000 | · [, | | | 34.77 | , , , , , , , , , , , , , , , , , , , | 1. | | | ., . | | | | | | | ٠, |
| ~ | | | | - , -:- | | | | • | | | | | - , , | 7 • . | = • ; | |
| ≥ 3500 ≥ 3000 | | 7 | | | • | • | • | • '. | . , , | | • | • | . • | • | | |
| | | | | | | | - 4 4 1 1 | | | | - • | | • ` | • • | • | |
| ≥ 2500 ≥ 2000 | • | | | • • | | | • | • • | • | • • | | • | • • | • | • " | |
| _ | • | • • | | | • | | | • • | - • | • | • | • | • | | | |
| ≥ 1800 > 1500 | • | • | | | • | • | • | • | · . • . | | | 1. | • (| • | 1. | |
| ≥ 1500 | . i 🐮 | | | | | | | | • . | · . | · · | ` • | • • | . • | • | |
| ≥ 1200 | • | • | • | • • | • : | • • | • • | • • | • | • | • ′ | • | • 4 | • | 7. | • |
| ≥ 1000 | | . '. <u>'</u> | | | | 1. 1 | | | • | 1 • . | • . | • | • | . `•∙. | • | |
| ≥ 900 ≥ 800 | • | • | 7: • | | ZE • t | € • ° × | • | | • | • • | • | • | • | • * | • • | |
| ≥ 800 | • | | 7. • + | | | ?• | <u></u> | • 4 | i_:. | ٠. | • . | | | . · · . | * . • | |
| ≥ 700 | • | • | 71 | * · • * | • ^ | • | | • ' | : • | • | • | • | 5.0 | 4. | ٠. | |
| ≥ 600 | • " | | 7 | 1.0 | ± • • | 7 | | 1. | | • • | • 1 | 3.55 | , i, | | | |
| ≥ 500 | | • | | | 7 | · 2 • | 1.1 | | • | 15.0 | | • | | • | 77.1 | 1 1 |
| ≥ 400 | • | | 7 | • 1 | 37.4 | | 1.1 | • | 4 • ^. | 3.1 | 1.7.0 | ~ ~ • °°, | • - | | | |
| ≥ 300 | • | | | 1.1 | 7. | ~-8. ' | 1 | • • • | | | 11.5 | 7. | | | · | |
| ≥ 200 | | 7. | 15. | 3 . 2 | 87.00 | 18 1 a | -1.1 | , , | | 7 | 17. | 7.; | | 25 . " | | : |
| | | 7.1 | 7 : | 7 : . 7 | 17.6 | | 77.1 | | | | 7 = - | 7 | | | _ 1 | · , . |
| ≥ 100 ≥ 0 | ا | , 7 | 7 | 9 | 97. | | 1 1 | | 4 . | 61.7 | 1.7.6 | 7 | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRTALVOCEANMET DM05

NAVAL WEATHORSEPSINGE DETACHTS NE ADHERSES E NO

CEILING VERSUS VISIBILITY

HOV#5 . 5 T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST. | ATUTE MIL | ES) | | | | | | |
|------------------|-------|---------|---|------------------|-------------|----------------|-----------|------------------|---|------------------|-------------------------|---------------------------------------|---------|-----------------|-------------|-----------|
| :FEET! | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 11/2 | ≥ 11. | ≥ 1 | <u>≥</u> 1 ₄ | ≥ 4, | בי ≤ | ≥ 5 16 | ≥ . | ≥ 3 |
| NO CEILING | • | • | • • | , | • | | • | | • | • | | 7.0 | | • | | |
| ≥ 20000 | • | · · . | 1_ • 1 | 1 • | 1 . | 1.41 | <u>-:</u> | · · · · | | <u>i</u> | <u>:</u> ., | 1 • . | • | · · · | | • |
| ≥ 18000 | • | 1 . 1 | 1 -1 | 1 - 1 | $A \cap A'$ | 1 .1 | 1 1 | • | | 1 . 1 | 1 • 1 | | | 17.1 | 1. 1. | • 1 |
| ≥ 16000 | | • • | <u>.</u> | <u>'</u> | 1 . 1 | <u></u> 1 | <u> </u> | _! _• <u>.</u> . | | 1 . 1 | <u> </u> | • 1. | | | | ! |
| ≥ 14000 | • " | • | 1 1.2 | • 1 | 1 `• ; | 10.0 | 7.7 • I | 1 . 1 | 1 . | | 1 | 1 | | 1* | 1 1 | 1 . 1 |
| ≥ 12000 | • | • | <u> </u> | • 4 | 1 . | | 1 | <u> </u> | | 1 | <u> </u> | | • | | | . • - |
| ≥ 10000 | • 1 | 1.1. | • | 10.0 | | 15. | 1 1. | 1.7 | 3 7 • | 1 | 1 . | • | • | 1 5 • | 1 | |
| ≥ 9000 | • | | <u>.: • • • • • • • • • • • • • • • • • • •</u> | <u>' ' • - '</u> | 15.0 | <u> </u> | 14. | 11. | | | <u> </u> | . <u>1</u> . | | | | • |
| ≥ 8000 | 7 • 1 | | • 4 | 1 | | I ' • ' | | | • | | ١٠. | • | | 1 1 | | • |
| ≥ 8000 ≥ 7000 | • | | 1 | -17 | 1 7 | • 1 | | 1 .7 | 1 | 1 | . · · · | , , | • | • | | • • |
| ≥ 6000 ≥ 5000 | • | 1.7 | 1 . | | 1 . 3 | 17. | 17. | • | 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 10. | 17. | | 1 . | * * • | : '. ^ | ``. |
| ≥ 5000 | • | | | 17.7 | 17.7 | 17. | _ i | | | 1 - 1 | • . | 12.7 | • | `. · `• ~. | 11. | |
| ≥ 4500 | • - | 1 . | 1 | | | | 1 | . 2 | 1 • L | 1 • | | | 3 | | | . • ** |
| ≥ 4500 ≥ 4000 | ` | • | • | | | | | • | | · ` • ' | • | • | • | • | | • 1, |
| ≥ 3500 | • | • ' | • | | • * | • | • -: | • *1 | | | - 1 | • 1 | . • | | | |
| ≥ 3500 ≥ 3000 | • | • | i • | | 7 | • | 3 •1. | | 4.5 | • • | | ₹ . + | | • | | |
| ≥ 2500 | • | 11 to • | • | . 1 | • ! | • 4 | • | • | | • | • | . • * | - · · | | | |
| ≥ 2500 ≥ 2000 | • | • | 1. 7 | | ± <u>•</u> | 200 | 1. | • | | | | | . 4 | (-1.48) | | • |
| ≥ 1800 | • * | • | • | . 7 | · | - ÷ | | | • | • 1 | | • | | i kw. i | | • |
| ≥ 1800 ≥ 1500 | • 7 | • | 7 | • | 7 . 7 | | • | • `. | | * * • · · · | • • • | 1. | · • • | | 1. | • |
| ≥ 1200 | • | • | 11.5 | • | 1.5 | . • | 7 | *1 • | • | | P 🞳 😘 | 4. • 4 | | | | |
| ≥ 1200 ≥ 1000 | • | • | | 1.0 | • | ** • ** | 7 . | | • | • | , | • • • | • 1 | | • 1 | • * |
| ≥ 900 | • ~ | • | | | | | • | • • | . 4 | 1.1 | 7.3 | 1.1 | ' • ' | 1. | | ٠., |
| ≥ 900 ≥ 800 | • | • | 1 | • 1 | | • • | • • : | • | | • | 4 1 a | | ·2 🐞 | • | -3 a 🔒 | • |
| ≥ 700 | • | • | 7.01 | • • • | 7 | 9.0 | 1.1 | | • | | | | • | | 7 h 4 | 1 |
| ≥ 700 ≥ 660 | • | | 7 | | • | | | • • | 0 🕶 | • 4 | • | 1. N W | • | | · · · 1, | |
| ≥ 500 | • 7 | | | + 3 | | | | | • | | | 11. | | · , . · | 7. | • |
| 5 100 | | ** • ** | 200 | • * | • | | | • | • • | 57. | | 36 . 7 | - 7 , s | 7. | у . | • • |
| ≥ 300 | • 1 | • | | • | | | | | | | · • | · · · · · · · · · · · · · · · · · · · | • * | | 450 | |
| ≥ 300 ≥ 200 | | | • | | • | | 5°. | ٠. | • | : • ¹ | 7. | : r. | . • . | 00.0 | 7. T | • |
| ≥ 100 | 1 | 77. | 4 | | • | • 4 | | | | | | 7. | 1.5 | ` 96 , ' | ~ • · · | • • • • • |
| ≥ 100 ≥ 0 | | • | ٠. | • | • | 7 • 10 | • • | | • | 4. | \$ | 97.5 | • 1 | 39.0 | | |

TOTAL NUMBER OF CASERVATIONS

DIPNAYI.CEARMET MOS

AAVAC ALATHER BEHONEL DE LAGINE DIJA HENIGTE NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | V15 | IBILITY (ST | ATUTE MIL | € \$} | | | | | | |
|------------------|------|---------|----------------|----------|----------|--------------|----------|--------------|------------|-----------------|-------------------|---------------------------------------|------------|--------|-------|-----|
| FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2'5 | ≥ 2 | ביו ≤ | ≥ 11. | ≥ 1 | ≥ 3, | ≥ 4 | ≥ '1 | ≥ 5 16 | . ≥ . | 2 0 |
| NO CEILING | • | | <u> </u> | 11. | 1 | 11. | 11. | • | | 1 | 11. | 1. | • | | 11. | |
| ≥ 20000 | • | i | | 1 | 33 | 11. | 1 | | 11. | | | 1 2 4 | | 11. | | ٠. |
| ≥ :8000 | | | 1 - 1 | 1 1 | - 1 | 1.7 • 1 | 17.1 | | 1 1.1 | | 17.1 | 1 | `• | | | ٠. |
| ≥ 16000 | • | • 4 | 1 | <u> </u> | 1 . 1 | : ^ <u>•</u> | 1 | _ <u> </u> | . <u> </u> | | | | <u> </u> | | | • |
| ≥ 14000 | • | • 1 | 1 . 1 | : • ; | 1 • 1 | 1 1 • 1 | 17.1 | • • | | 1 • 1 | | 1 | | • | • • • | |
| ≥ 12000 | , | . 11.11 | <u></u> . | | <u> </u> | 1 - 4 1 | 1 | <u>·</u> _·. | | 1 | . <u>.</u> | • | . <u>.</u> | | | |
| ≥ 10000 | • ' | • | 1 . | | 1 • 1 | . 7 | 1 | • | i ' • | * * * | | | • | : ; , | | • |
| ≥ 9000 | | | · · · | | 1 • | <u> </u> | <u> </u> | · • - • | . <u>.</u> | <u></u> | | | | | | . • |
| ≥ 8000 ≥ 7000 | • | i 🕶 🛊 + | 1 | | 1 | 2 40 € | • | • | • | 1 1 | | 41.00 | | | • | • • |
| . ≥ 7000 | • | | • | | | - 11: • 14 | <u> </u> | . <u></u> | | | | | | | | • |
| ≥ 6000 ≥ 5000 | • | | | • | | • | 1.7. | • 1 | • | 1. | 1.7. | 1 . | • | | • 7 • | • |
| ≥ 3000 | • | • | - 1 • <u>1</u> | | • | • | | <u> </u> | . `•}. | <u></u> . | i . <u>. •</u> . | | | • | | • |
| ≥ 4500 | • | • ' | • | 1. | • | 1. | e 1. • | | • | • | • | • | • | | i • ' | |
| ≥ 4000 | | • ! | • | • | | | | | • | • | . <u>1</u> .• ` . | • | . ' | | | • |
| ≥ 3500 | | • | | • 1 | * 1 | • 1 | • | • 1 | • ' | • • | • ' | • • | • | • 1 | • | |
| ≥ 3000 | • | • | • | • •. | • | | • | • | • • | | | • | | • | • | |
| ≥ 2500 | • | • | • | • | 4 | | • | • | • | • | • | • | • | . • | • | • |
| ≥ 2000 | • | · '• . | • | · . | •). | • | • | | | · · · · | • | · • · | | | | • |
| ≥ 1800 ≥ 1500 | • | • | | • | • | • 1 | • • | • * | • | - 1 t · • · · · | | • • | • | • | | |
| | • , | | • : | | • ;- | • | | • | • | • | • | • . | • | • | • | • |
| ≥ 1200 > 1000 | • | • | • | | • | • | • | • | • | • | • 1 | • • | • | • | • | • |
| | • | • , | | . , ' • | • | | • | • | · | • | . • . | · • • • | • | • | | • |
| ≥ 900 ≥ 800 | • | • | 1.1 | • ' • | | • • | • | | • , | • | . • | • | | • | | • |
| _ | • | | , , | • • • • | | Ţ | , | • • • | • , | • | | · · • · | • | | | • |
| ≥ 70C ≥ 600 | • | • | · · | , | • | ** | • | • 1 | • | y . | • | • | • | • . | • | • |
| | • | | | • | | | • | • | • • ; | • | • | • . | . • | | | • |
| ≥ 500 ≥ 400 | • | • • | • • | | • | | • | • | • | | • | • | • | • | • | • |
| _ | • . | | | | | | _ | · · · · · | ٠, , | • | • | • | · | • | | |
| ≥ 300 ≥ 200 | | | | 7 - 4 | • • | in a | • | • | • | • , | , | | - • | • | • • | • |
| _ | | | · , · · · | | : | | | | · | | • • - | · · · · · · · · · · · · · · · · · · · | • | • | | • |
| ≥ 100 ≥ 0 | • | | , . | • | • | • | • | 1.1 | • | • | | | • . | | • | • |

TOTAL NUMBER OF OBSERVATIONS

CORNADO CEANVET COMO

CEILING VERSUS VISIBI

MAVAL WEATHER SERVICE DETACHMENT in $m_{\rm CO}=1/6$.

\$74"IOH

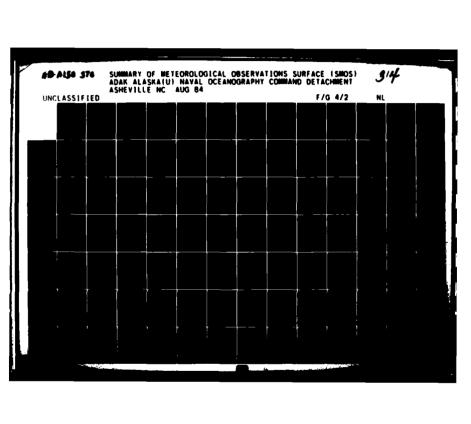
:: \

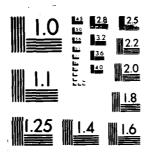
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING ≥ 11, ≥ 11, ≥ 1 ≥ 20000 ≥ 18000 ≥ 16000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 ≥ 1200 ≥ 1000 <u>></u> 800 600 500 400 <u>></u> 300 200 <u>>i</u> 100

TOTAL NUMBER OF CBSERVA" . NS

DIRTANDICEANMET SMUS





MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS 1963 A

13.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|------------------|----------------|---------|----------|--------|---------|--------|------|-------------|-----------|------|--------|------|-------|--------|------|-------------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21% | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | • ^L | 13.1 | 13.1 | 13.5 | 13.5 | 13.5 | 17.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 17.5 | 13.5 | 13.€ | |
| ≥ 20000 | • 4 | | 13.5 | 13.0 | 13.8 | 13.6 | 13.3 | 13.8 | 13.0 | 13.6 | 13.8 | 13.8 | 13.5 | 13.8 | 13.9 | 1200 |
| ≥ 18000 | • E | 14.5 | 14.5 | 14.9 | 14.9 | 14.0 | 14.7 | 14.9 | 14.7 | 14.9 | 14.0 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| ≥ 16000 | • 5 | 14.7 | 14.5 | 14.9 | 14.9 | 14.9 | 14.7 | 14.9 | 14.9 | 14.7 | 14.9 | 14.9 | 14.9 | 14.7 | 14.9 | 14.5 |
| ≥ 14000 | • 4 | 14.9 | 14.7 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | | | 15.3 | |
| ≥ 12000 | • 4 | 14.7 | 14.9 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 |
| ≥ 10000 | • * | 15.3 | 15.3 | 15.6 | 15.6 | 15.6 | 1 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 14.6 | 15.6 | 15.6 | |
| ≥ 9000 | • 4 | | 15.3 | 15.6 | 15.6 | 15 · è | 15.5 | 15.6 | 15.5 | 15.6 | 15.6 | 15.6 | 17.5 | 15.6 | 15.6 | |
| ≥ 8000 | • 4 | 10.5 | 16.0 | 16.3 | 16.3 | 15.3 | 16.3 | 16.3 | 16.3 | 7.1 | 16.3 | 16.3 | | 16.3 | | 16.3 |
| ≥ 7000 | - 4 | | 17.0 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | |
| ≥ 6000 | • 4 | 17.7 | | 18.1 | 1 2 . 1 | 19.1 | | 19.1 | 19.1 | 19-1 | 15.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 |
| ≥ 5000 | • (5 | | | 1 - 4 | 18.4 | 18.4 | 19.4 | 13.4 | 17.4 | 13.4 | 13.4 | 18.4 | 15.4 | 18.4 | 18.4 | 16.4 |
| ≥ 4500 > 4000 | - 4 | | , ., . , | | 13.2 | 19.2 | 17.2 | | 19.2 | 19.2 | 19.2 | 19.2 | | 19.2 | | |
| | | 19.5 | | 19.0 | 19.9 | 19.9 | 19.9 | | | 19.9 | 10.0 | 19.9 | 19.9 | 19,0 | | |
| ≥ 3500 ≥ 3000 | • 14 | | | 74 - 1 | 24.1 | 24 - 1 | 24.1 | | 24.1 | 24.1 | 24 - 1 | 1 | 24.1 | 24.1 | | |
| | • " | 31) - 5 | | 31.6 | 43.3 | 43.6 | 43.6 | 47.6 | 31.6 | 31.9 | 31.9 | 31.7 | | 31.9 | 31.9 | 31.7 |
| ≥ 2500 ≥ 2000 | • () | | | 53.5 | 50.2 | 59.9 | 60.3 | | | 43.6 | 43.6 | 43.6 | | 43.6 | | 43.6 |
| · | | 55.3 | | 60.6 | 61.4 | 42.1 | 62.4 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | | 63.6 | 63.1 | . <u>60.6</u> . 63.1 |
| ≥ 1800 ≥ 1500 | • | 62.8 | 1 | 70.2 | 71.6 | 72.7 | 73.4 | 74.1 | 74.1 | 74.8 | - 1 | 74.8 | 74.8 | 74 - 8 | 2001 | 74.8 |
| | 7 | 14.5 | | 75.9 | 73.7 | 90.1 | 31.9 | | 52.6 | 83.3 | | | 63.3 | | 23.3 | 83.3 |
| ≥ 1200 > 1000 | | 67.7 | 1 - 1 | 81.2 | 86.7 | 7.7 | 90.8 | 1 | | 92.6 | 1 | 92.6 | 97.6 | , | 92.6 | 62.6 |
| | | 67.7 | | | 86.5 | °8 • 3 | 91.5 | | | 73.3 | | | | | | + |
| ≥ 900 ≥ 800 | . 7 | 67.7 | | 91.6 | 86.5 | 48.3 | 91.8 | 97.9 | | | 93.6 | , | | - | 93.6 | 93.6 |
| | • | 1.3.1 | 77.3 | 92.3 | 87.2 | 39.4 | 92.9 | | | | | 36.1 | | 96.1 | 96.1 | |
| ≥ 700 ≥ 600 | | 58 - 1 | 73.3 | | 87.2 | 29.7 | 93.3 | 65.0 | 95.0 | | | | 75.5 | °6 •5 | 96.5 | 1 |
| | ., | 65.1 | 73.6 | | 87.6 | 90.1 | 94.0 | | 25.7 | | | 97.5 | | 97.5 | 97.5 | |
| ≥ 500 ≥ 400 | . 7 | 68.1 | 73.8 | A2.6 | 87.6 | 90.1 | 94.1 | | 95.7 | | 1 | | | , | 97.9 | |
| ≥ 300 | , 7 | 68.1 | 74.1 | 83.0 | 87.9 | 90.4 | 94.7 | 76.5 | 96.5 | | 98.6 | 98.6 | _ | 98.6 | | 25.9 |
| ≥ 200 | . 7 | 68.1 | 74.1 | 83.C | 87.5 | 90.4 | 94.7 | 96.5 | 96.5 | 1 | 98.6 | 1 | , - , | 78.6 | | 99.7 |
| — | • * | 68.1 | 74.1 | 83.0 | | 90.4 | | 76.5 | | | 98.6 | | | | 98.9 | |
| ≥ 100 ≥ 0 | . 7 | | 74.1 | 83.7 | 37.9 | 20.4 | 94.7 | 76.5 | 96.5 | | 99.5 | | | | | 1000 |

TOTAL NUMBER OF OBSERVATIONS

282

CEILING VERSUS VISIBILITY

25714 ADAY, AK

STATION NAME

75-A2

FEA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| CEILING | | | | | | | VIS | BILITY (ST. | ATUTE MIL | ES) | | | | · | | |
|-----------------------|----------------|---------|------|------|--------------|---------|------|-------------|-----------|-------------|------|------|------|-------------|------|-------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING ≥ 20000 | 2.5 | 71.0 | 11.1 | 11.2 | 11.3 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | | 1 1 | | |
| ≥ 2000 | 2. | 11.5 | 11.5 | | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | | 11.7 | 11.7 | | | | |
| ≥ 16000 ≥ 16000 | 2 • ° 2 • 2 | 12.5 | 12.6 | 12.8 | 12.7 12.8 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | _ | 12.7 | 12.7 | 12.7 |
| ≥ 14000 | 7.5 | 12.7 | 17.5 | 12.5 | 17.5 | 12.9 | 12.9 | 12.9 | 17.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | |
| ≥ 12000 | 2.9 | 12.4 | 13.0 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13. |
| ≥ 10000 | 3.7 | 13.5 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13. |
| ≥ 9000 | • 1 | 13.6 | 13.7 | 13.8 | 13.8 | 13.9 | 13.9 | 13.8 | 13.8 | 13.8 | 13.8 | 13.3 | 13.8 | 13.8 | 13.8 | 13. |
| ≥ 8000 | 3 • 2 | 14.4 | 14.5 | 14.6 | 14.6 | 14.5 | 14.6 | 14.6 | 14.5 | 14.6 | 14.6 | 14.5 | 14.6 | 14.6 | 14.5 | 14.6 |
| ≥ 7000 | 3.4 | 15.8 | 16.0 | 15.1 | 16.1 | 16.1 | 16.1 | 14.1 | 16.1 | 16.1 | 15.1 | 15.1 | 16.1 | 16.1 | 16.1 | 16.1 |
| ≥ 6000 | 3 ⋅ € | 16.3 | 10.5 | 15.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 15.6 | 16.6 | 16.6 | 16.6 | 15.6 | 16.6 | 16.6 |
| ≥ 5000 | 4 • 0 | 17.5 | 17.2 | 17.3 | 17.3 | 13 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17. |
| ≥ 4500 | 4. | 18.7 | 18.8 | 19.0 | 19.0 | 19.0 | 19.2 | 19.0 | | 19.0 | 19.€ | 19.0 | 19.7 | 19.0 | 19.0 | 19.5 |
| ≥ 4000 | 40.7 | 21.0 | 21.2 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.5 | 21.3 | 21. |
| ≥ 3500 | 5.5 | 25.9 | | | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 25.5 | 26.5 | 1 | 26.5 | 26.5 | 76. |
| ≥ 3000 | _5.5 | 34 . 4 | | 33.7 | 35.6 | 35.9 | 35.9 | 35.7 | 35.9 | 35.7 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 78. |
| ≥ 2500 | 6.0 | 44.4 | 46.1 | 47.6 | 48.1 | 48.2 | 40.4 | 4.34 | 49.4 | 48.4 | 48.4 | 43.4 | 40.4 | 48.4 | 48.4 | 43. |
| ≥ 2000 | 7 • 1 | 56.7 | 59.4 | 62.2 | 63.1 | 63.5 | 63.9 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 | 54.1 | 64.1 | 64.2 | 64. |
| ≥ 1800 | 7.7 | 58.3 | 1 | 64.4 | 65.3 | 65.8 | 66.3 | 66.5 | 66.5 | 66.7 | 66.8 | 66.3 | 56.8 | 66.8 | 66. | 66. |
| ≥ 1500 | 7.2 | +4.4 | 69.2 | 73.9 | 75.9 | 77.0 | 78.0 | 78.7 | 78.8 | 79.1 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79 . |
| ≥ 1200 | 7.2 | 56.0 | 71.5 | 77.4 | 80.1 | 81.4 | 82.9 | 83.8 | 83.0 | 84.3 | 24.4 | 84.4 | 84.5 | 84.5 | 84.5 | P4 . |
| ≥ 1000 | 7.3 | 67.8 | | 30.6 | 34.1 | 55.8 | 88.0 | 89.4 | 89.5 | 97.3 | 90.5 | 93.5 | 97.6 | 90.6 | 90.7 | <u> </u> |
| ≥ 900 | 7.3 | 67.9 | | | 84 . 5 | °6•2 | 88.6 | 90.2 | 90.7 | 91.2 | 91.4 | 91.4 | 91.5 | 91.5 | 91.6 | 91.0 |
| ≥ 800 | 7 • 3 | 66.5 | 74.2 | 71.3 | 85 . 3 | 17.2 | 80.8 | C1.5 | 91.5 | 92.7 | 93.0 | 93.0 | | | 93.3 | 93. |
| ≥ 700 | 7.0 | ે ઉક | 74.5 | 91.8 | 86.2 | -88 • 0 | 90.7 | 92.5 | 92.6 | 93.9 | 94.2 | 94.2 | 24.5 | 94.5 | 94.5 | 54. |
| ≥ 600 | 7 . 3 | 68.4 | 74.7 | 82.0 | 86.6 | 88.5 | 91.2 | 93.1 | 93.2 | 94.6 | 95.0 | 95.0 | 95.3 | 05.3 | 95.3 | 95. |
| ≥ 500 | 7 • 3 | 48.4 | - 1 | 82.2 | 87.0 | P8 . 9 | 91.8 | 93.9 | 94.0 | 96.3 | 96.5 | 96.5 | _ | , , , , , | 97.1 | |
| ≥ 400 | 7.3 | 68.4 | | | 87.1 | 89.1 | 92.5 | 94.2 | 94.4 | 96.4 | 97.0 | | | | | + E |
| ≥ 300 | 7 . ? | 68.4 | | 82.3 | 87.2 | 89.1 | 92.2 | 94.5 | 74.6 | 96.8 | 97.6 | 97.6 | 95.2 | 1 - 1 | 98.5 | |
| ≥ 200 | 7 . 3 | 68.4 | | | 87.2 | 89.1 | 92.2 | 94.5 | 94.6 | 96.9 | 97.7 | 97.8 | | | | |
| ≥ 100 ≥ 0 | 7.3 | 4.5 - 4 | | | 87.2 | 89.1 | 92.2 | 04.5 | 94.6 | 96.9 | 97.7 | | | | 99.3 | |
| ≥ 0 | | 66.4 | 74.8 | 82.3 | 87.2 | 69.1 | 92.2 | 74.5 | 94.5 | 96.9 | 97.7 | 97.8 | 99.8 | 98.9 | 99.3 | rec- |

TOTAL NUMBER OF OBSERVATIONS 225

1-7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

STATION STATION NAME TEASS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

B1

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|----------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21% | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING ≥ 20000 | 1 | 10.0 | 1°.0 | | 10.7 | 10.5 | 10.0 | 10.8 | 10.0 | | 10.0 10.7 | 10.0 | 10.5 10.7 | | 10.0 | |
| ≥ 18000 ≥ 16000 | | 11.7 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | |]] | 11.c | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| ≥ 14000 ≥ 12000 | | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.7 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.5 |
| ≥ 10000 ≥ 9000 | | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| ≥ 8000 ≥ 7000 | | 12.3 13.2 | 12.3 | 12.3 13.2 | 12.3 13.2 | 12.3 13.2 | 12.3 | 12.3 13.2 | 12.3 | 1 | 12.3 | 12.3 13.2 | 12.3 13.2 | 12.3 | 12.3 | 12.3 |
| ≥ 6000 ≥ 5000 | | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 |
| ≥ 4500 ≥ 4000 | | 15.5 16.8 | 15.9 | 17.1 | 15.8 17.1 | 15.8 17.1 | 15.8 | 15.2 17.1 | 15.8 17.1 | 15.8 17.1 | 15.8 | 15.3 | 15.8 | 15.8 | 15.3 | 15.5 |
| ≥ 3500 ≥ 3000 | | 19.7 27.1 | 20.0 27.7 | | 23.4 | 20.3 28.4 | 20.7 | 20.3 28.4 | 20.3 24.4 | 20.3 | 20.3 28.4 | 27.3 | 27.3 | 20.3 25.4 | 20.3 | 22.4 |
| ≥ 2500 ≥ 2000 | | 39.4 4.2 | 41.0 50.0 | 62.3 | 62.2 | 42.3 52.6 | 42.3 | 42.3 62.9 | | 42.3 | 42.5 62.9 | 42.3 | 47.3 62.9 | 42.3 62.9 | 42.3 62.9 | 4 ? • 3 • <u>6 ? • \$</u> |
| ≥ 1800 ≥ 1500 | | -5.5 -41.3 | 6○.7 6△.4 | 73.2 | 54.2 73.9 | 64.5 74.5 | 64.8 75.5 | 64.8 75.5 | - 1 | 75.5 | 64.8 75.5 | 64.8 75.5 | 64.8 75.5 | 75.5 | 64.8 75.5 | 75.5 |
| ≥ 1200 ≥ 1000 | | 63.2 54.5 | 71.f | | | 91.9 | 83.9 | 88.7 | 68.7 | 88.7 | 88.7 | 23.7 | 80.7 | 83.9 38.7 | 83.9 | 63.9 98.7 |
| ≥ 900 ≥ 800 | | 65.2 65.5 | | 93.2 | 85.2 86.8 | 86.5 86.1 | 90.0 | | 92.9 | | | | 67.2 | | | 07.2 |
| ≥ 700 ≥ 600 | | 45.8 | 74.5 | 95.5 | | 40.0 20.7 | 95.5 | | 95.7 | | | 95.7 | 95.5 96.8 | 95.5 | 95.5 | 95.5 |
| ≥ 500 ≥ 400 | | 66.1 | 75.5 | 86.1 | 90.0 | 91.3 91.3 | 96.5 96.8 | 97.4 | 97.4 | 97.7 98.1 | 98.1 98.4 | 98.1 | 99.0 | 98.7 | 98.7 99.0 | 99.0 |
| ≥ 300 ≥ 200 | | 56.1 | 75.5 75.5 | 96.1 | 90.D | | 96.8 | 97.7 | 97.7 | 98.1 | 98.4 | 98.4 | 99.1 | 99.5 | 99.0 | 99.7 |
| ≥ 100 ≥ 0 | <u> </u> | €6.5 €6.5 | 75.8 75.8 | | 90.3 90.3 | | 97.1 97.1 | 98.1 | 98.1 98.1 | 98.4 | 98.7 | 98.7 | 99.7 | 99.7 | | 00.0 |

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF DESERVATIONS

CEILING VERSUS VISIBILITY

25704 ADAY, AV 73-02 MAD
STATION STATION HANE VERES MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DA HOURS (L S T 1

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|--------------------|------|--------|------|-------|---------|-----------|------|-------------|-----------|-------|------|------|------|--------|------|---------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1% | ≥ 1% | _ ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | 11.4 | 1 | 11.6 | 11.6 | 12.6 | | | 11.6 | | | | | | 11.5 | |
| ≥ 20000 | | 12.3 | | 12.3 | | - F- F- F | | | | | | | | | 12.3 | |
| ≥ 18000 ≥ 16000 | | 13.6 | | 13.6 | | 13.6 | | | | | 13.6 | 13.6 | | | 13.6 | 13.6 |
| | | 13.7 | | 17.9 | | 13.9 | 13.9 | | 13.0 | | | | | | 13.9 | |
| ≥ 14000 ≥ 12000 | | 13.4 | 1 | 1 | | 13.9 | - 1 | | 13.9 | | | - | | | 13.9 | |
| | | 1.5 | | 13.9 | 13.9 | 13.9 | 13.9 | | 13.0 | | Ī | 13.9 | | | 13.9 | |
| ≥ 10000 ≥ 9000 | | 14.2 | | 14.2 | - 1 - 1 | | 14.2 | | 14. | | | 14.2 | | | 16.2 | |
| ≥ 8000 | | 14.2 | | 14.2 | | 14.2 | | | 14.2 | | | | | | 14.2 | |
| ≥ 7000 ≥ 7000 | | | 15.5 | | | 1 | 15.5 | | · · · | | 15.5 | | | | | |
| ≥ 6000 | | 16.5 | | 10.5 | | | | | 16.5 | | | | | 16.5 | | |
| ≥ 5000 | | 17.4 | 17.4 | 17.4 | , | | 1 | | | | 17.4 | | | , | | |
| ≥ 4500 | | 17.7 | 18.1 | 1 - 1 | 14.1 | 18.1 | | | | 19.1 | | | | 18.1 | | 1 3 . 1 |
| ≥ 4000 | | 19.4 | 10.7 | 19.7 | 14.7 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 | 23.0 | 20.0 | 20.0 | 20.0 | 20.0 | ខាធ-ក |
| ≥ 3500 | | 72.9 | 27.? | 23.2 | 23.2 | 73.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 |
| ≥ 3000 | | 31.t | 32.€ | 32.9 | 33.2 | 33.2 | 33.6 | 73.6 | 13.5 | 33.6 | 33.0 | 33.9 | 37.9 | 33.5 | 33.9 | 33.0 |
| ≥ 2500 | | 33.0 | 46.0 | 47.1 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 45.1 | 48.1 | 4F.1 | 48.1 | 48.1 | 45.1 |
| ≥ 2000 | | 56.1 | 6 7 | 62.3 | 63.0 | 62.9 | 63.6 | 53.6 | 63.6 | 63.6 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 1800 | | 57.7 | 61.0 | 64.2 | 64.8 | 64 . A | 65.5 | 55.5 | 55.5 | 65.5 | 66.1 | 66.1 | 44.1 | 56.1 | 66.1 | 66.1 |
| ≥ 1500 | | 63.0 | 65.7 | 73.6 | 75.5 | 75 • 5 | 76.5 | 76.5 | 76.5 | 75.8 | 77.4 | 77.4 | 77,4 | 77.4 | 77.4 | 77.4 |
| ≥ 1200 | | 115.5 | | 77.7 | | 27.6 | | 1.3 | | | 82.3 | | 82.3 | | | |
| ≥ 1000 | | 55.8 | | 81.0 | | | | | | | 89.0 | | | | | |
| ≥ 900 | | 6.5 | | | | 25 • 2 | | | | | 93.3 | | | | 90.3 | |
| ≥ 800 | | 58 · 4 | | 84.2 | | | | | | | 94.5 | | | | | |
| ≥ 700 | | 1 | 75.8 | | | A9.7 | | 54.2 | | | 95.1 | | | 96.5 | | |
| ≥ 600 | | 103.7 | | | 90.3 | | | | | | 97.4 | | | | | |
| ≥ 500 > 400 | | on.7 | 1 | 85.5 | | | i | | | | 98.1 | | | 9A.4 | 98.4 | |
| | | 10.7 | | 85.5 | | | 34.5 | | | | 98.7 | | | | 99.1 | |
| ≥ 300 ≥ 200 | | 68.7 | 75.8 | 85.5 | 97.7 | · · · I | 94.5 | | | | 99.0 | | | | 99.7 | |
| | | | 75.8 | | | | 94.5 | | | | 99.0 | | | | | |
| ≥ 100 ≥ 0 | | | 75.8 | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 210

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

| | | | | | | | VIS | BILITY (ST | ATUTE MIL | .ES) | · · · · · · · | | | | | |
|--------------|-------|---------|-------|------|--------|--------|------|------------|-----------|------|---------------|------|------|--------|-------|-------|
| CEILING | | - | | | | | | | | | | | | | | |
| (PEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ o |
| NO CEILING | 1.3 | 6.0 | 6.3 | 5.8 | 5.8 | 6.6 | 6.3 | 5.3 | 6.2 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 8.8 | 6.3 |
| ≥ 20000 | 1.5 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| ≥ 18000 | 1.5 | 7.4 | 7 - 4 | 7.4 | 7 • 4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| ≥ 16000 | 1.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.9 | 7.4 | 7.4 | 7.4 | 7.4 |
| ≥ 14000 | 1.5 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| ≥ 12000 | 1.5 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 |
| ≥ 10000 | 1.6€ | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| ≥ 9000 | 1.6 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7,7 | 7.7 |
| ≥ 8000 | 2 • 3 | 9.4 | 9 · # | 9.4 | C . L | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 3.4 | 9.4 | 9.4 | ə . u |
| ≥ 7000 | 3 . 7 | 11.9 | 11.5 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| ≥ 6000 | 3.2 | 13.2 | 13.2 | 13.6 | 13.6 | 13.6 | 13.€ | 13.6 | 13.€ | 13.6 | 13.6 | 13.6 | 13.6 | 13.€ | 13.6 | 13.6 |
| ≥ 5000 | 3 • 3 | 14.2 | 14.2 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 |
| ≥ 4500 | 3.6 | 15.2 | 15.2 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| ≥ 4000 | 3.4 | 17.1 | 17.1 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| ≥ 3500 | 4.7 | 24.2 | 2 5 | 24.5 | 24.2 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.6 | 24.8 | 24.8 |
| ≥ 3000 | : • 2 | 34 - 3 | 36.1 | 36.5 | 36 . 8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 35.8 | 36.8 | 36.9 | 36.3 |
| ≥ 2560 | 6.5 | 43.6 | 46.5 | 47.1 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 48.4 | 45.4 | 45.4 | 45.4 | 48.4 | 48.4 | 49.4 |
| ≥ 2000 | 7 • 1 | 55 F | 50.7 | 51.9 | 63.6 | 63.9 | 64.5 | 64.5 | 64.5 | 65.2 | 65.2 | 65.2 | 55.2 | 55 . 2 | 65.2 | 65.2 |
| ≥ 1800 | 7 • 1 | 58.1 | 62.9 | 64.5 | 67.1 | 67.4 | 69.1 | 63.1 | 63.1 | 69.0 | 69.0 | 69.D | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 1500 | 7 . 1 | 63.0 | 73.7 | 73.2 | 76.5 | 76.8 | 77.7 | 78.7 | 73.7 | 30.7 | 80.7 | 30.7 | 90.7 | 80.7 | 80.7 | 20.7 |
| ≥ 1200 | 7.1 | 65.5 | 73.6 | 77.1 | 90.3 | d0.7 | 81.9 | 82.9 | 82.9 | 34.8 | 85.2 | €5.2 | 85.2 | 25.2 | 85.2 | 85.2 |
| ≥ 1000 | 7.1 | 1.6 • 5 | 75.8 | 81.3 | 85.7 | 25.8 | 87.4 | 88.4 | 38.7 | 91. | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 900 | 7.1 | 57.4 | 76.8 | 82.6 | 36.5 | 37.1 | 88.7 | 89.7 | 97.0 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 62.9 |
| ≥ 800 | 7.1 | 67.7 | 77.4 | 83.2 | 87.4 | d8 . 4 | 90.3 | 91.6 | 91.9 | 94.8 | 95.2 | | 95.2 | 95.2 | | 95.2 |
| ≥ 700 | 7.1 | 57.7 | 77.4 | 53.6 | 87.7 | 38.7 | 90.7 | 92.3 | 02.6 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 600 | 7.1 | 1.7.7 | 77.4 | 23.9 | 88.1 | 89.0 | | 72.9 | 1 | 97.1 | 97.4 | 97.4 | | 97.4 | 97.4 | 97.4 |
| ≥ 500 | 7 - 1 | 58.1 | 77.7 | 84.2 | 88.4 | 89.4 | | 73.9 | 94.2 | 98.1 | 95.4 | 98.4 | 98.4 | 78.4 | 98.4 | 98.4 |
| ≥ 400 | 7.1 | 05.1 | 77.7 | 84.2 | 88.7 | 89.7 | | 94.2 | 94.5 | 98.4 | 98.7 | 98.7 | - 1 | 99.0 | 1 | 99. |
| ≥ 300 | 7 • 1 | 48.1 | 77.7 | 84.2 | 88.7 | 89.7 | | 74.2 | 94.5 | 98.4 | 95.7 | 98.7 | 99.4 | 99.4 | 99.7 | 99.7 |
| ≥ 200 | 7 - 1 | 68.1 | 77.7 | 84.2 | 68.7 | 89.7 | | 74.2 | 94.5 | 98.4 | 98.7 | 98.7 | | 99.4 | , , | |
| ≥ 100 | 7.1 | 68.1 | 77.7 | 84.2 | 83.7 | 89.7 | | 94.5 | 94.5 | 98.7 | 99.0 | | | | 100.0 | |
| ≥ 100 ≥ 0 | 7.1 | 58.1 | 77.7 | | 88.7 | 39.7 | 1 | | 1 | 98.7 | | | | 99.7 | | |

TOTAL NUMBER OF OBSERVATIONS 310

CEILING VERSUS VISIBILITY

257 4 ATAP . AH

73-62 YEA

MONTH.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|------------------|-------|------------|---------|-------|--------------|--------|--------------|--------------|-----------|--------------|-------|---------|------|--------|------|--------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/5 | ≥ 2 | ≥ 11/2 | ≥ 1¼ | 1 ≤ | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 3.4 | ∀•1 | 2.1 | ે • 1 | ₽.1 | 8 - 1 | Ω • 3 | 3 • 1 | ₹•1 | ₹ • 1 | 9.1 | 8.1 | 8.1 | 8.1 | 9.1 | 3 - 2 |
| ≥ 20000 | 3.5 | 8.7 | 8.7 | 8.7 | 3.7 | 8.7 | 8.7 | 5.7 | 3.7 | 3.7 | 8.7 | 8.7 | 8.7 | 8.7 | 5.7 | 5.7 |
| ≥ 18000 | 4 • 5 | 10•4 | 17.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 17.4 | 10.4 | 10.4 | 10.4 |
| ≥ 16000 | 4.5 | 10.4 | 19.4 | 10.4 | 10.4 | 15.4 | 10.4 | 10.4 | 10.4 | 10.4 | 3 7 7 | 13.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| ≥ 14000 | 4 . 5 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | ; | 13.4 | 17.4 | 10.4 | 10.4 | |
| ≥ 12000 | 4.5 | 10.4 | 10.4 | 10.7 | 10.7 | 13.7 | 15.7 | | 19.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 19.7 | |
| ≥ 10000 | 4.4 | 10.7 | 10.7 | 11.3 | 11.0 | 11.0 | | 11.0 | 11.7 | 11.0 | | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| ≥ 9000 | 7.5 | 11.3 | 11.3 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| ≥ 8000 | • | 12.3 | 13.0 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 17.3 | 12.3 | | 12.3 | | 12.3 | 12.3 | |
| ≥ 7000 | 5.1 | 13.3 | 1 7 . 3 | 13.6 | 17.5 | 13.4 | 13.6 | 13.5 | 13.6 | 13.6 | | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| ≥ 6000 | 5.4 | 13.5 | 13.9 | | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | | 14.2 | | 14.2 | | 14.2 |
| ≥ 5000 | | 16.7 | 15.2 | 14.5 | 15.5 | 16.5 | 16.5 | | 16.5 | 16.5 | | 16.5 | | 16.5 | | 16.5 |
| ≥ 4500 | 5. | 17.2 | 17.2 | 17.5 | 17.5 | 17.5 | | 17.5 | 17.5 | 17.5 | | 17.5 | | 17.5 | | 17.5 |
| ≥ 4000 | 7.1 | 17.5 | | 15.1 | 18.1 | 18.1 | 18.1 | 18.1 | 13.1 | 15.1 | 15.1 | 15.1 | 18.1 | 15.1 | 18.1 | |
| ≥ 3500 > 3000 | 7.8 | 24.5 | | | 24.5 | 24 - 5 | 24.6 | | 24.6 | 24.6 | | 24.5 | 24.5 | 24.6 | | 24.5 |
| <u> </u> | 10.4 | 37.2 | 34.7 | 33.5 | 39.5 | | 38.5 | 38.5 49.8 | 38.5 | 33.5 49.8 | | 38.5 | 39.5 | 38.5 | | |
| ≥ 2500 ≥ 2000 | 11.3 | 45.3 | | 49.5 | - 1 | 49.8 | 49.8 | | 49.8 | - | 49.8 | 49.5 | 50.2 | 50.2 | 50.2 | |
| | 12.0 | 58.6 | 66.3 | 64.4 | 65.7 | 65.7 | 66.0 | | 66.N | | | 66.8 | | 66.3 | · | 66.7 |
| ≥ 1800 ≥ 1500 | 12.3 | (1.5) | 71.5 | | 67.9 | 59.7 | 70.5 | 70.6 | 70.6 | 70.6 | | 70.6 | 7.0 | 77.9 | 70.9 | |
| | 12.3 | 65.4 | 73.8 | 74.8 | 77.7 85.6 | 78.0 | 79.0 82.2 | | | | | 79.6 | | | | |
| ≥ 1200 ≥ 1000 | 1 3 | 67.3 | | 75.0 | 82.0 | 63.8 | 66.1 | | 86.7 | A 3 . 6 | | 53.8 | | | | 84.5 |
| <u> </u> | 12.3 | 60. | 75.7 | 9/3.3 | 84.5 | 95.4 | 87.7 | 88.4 | 38.7 | 98.0 | | 99.0 | | 90.6 | 99.6 | |
| ≥ 900 ≥ 800 | 12.3 | 64.3 | 75.1 | 30.6 | 85.1 | 26.7 | 89.3 | | | | | | 92.6 | | 92.6 | |
| | 17.3 | 63.6 | 76.4 | 84.9 | 65 4 | 87.1 | 90.0 | °C • 6 | 91.7 | 92.6 | | 97.6 | | | 93.5 | |
| ≥ 700 ≥ 600 | 12.3 | 58.6 | 76.4 | 80.9 | 85.4 | 87.4 | 90.3 | | 52.2 | | | | 95. | | | |
| | 12.3 | 43.0 | 77.4 | 81.9 | 86.7 | 88.7 | 91.9 | 93.5 | | | | 97.1 | | | 98.7 | |
| ≥ 500 ≥ 400 | 12.3 | 58.9 | | 81.9 | 86.7 | 98.7 | | | 1 | | - 1 | | | 98.7 | 99.0 | _ |
| | 12.3 | 59.9 | | 81.9 | 86.7 | 88.7 | 91.9 | | 24.7 | | | 27.1 | | | | 20.0 |
| ≥ 300 ≥ 200 | 12.3 | 68.9 | 77.4 | 81.9 | 96.7 | | | | | 97.1 | | 97.1 | | 99.0 | - | 00.0 |
| | 12.3 | 58.9 | 77.4 | 8 9 | 86.7 | | | | | 97.1 | | | | 99.0 | | 100 D |
| ≥ 100 ≥ 0 | 12.3 | 68.9 | · · · | | 86.7 | | | 73.5 | | | 97.1 | 97.1 | 99.0 | | | 100.0 |
| | | 30,00 | 7 1 4 7 | 3447 | 2011 | | | ,,,,, | | | | 7.1 8.8 | | 7794 | 7797 | لنبعتب |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

300

CEILING VERSUS VISIBILITY

DE 7 TH ASIAN AND STATION HAVE FROM THATE TEATS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 21/4 ≥ 1 ≥ % ≥ 1/4 ≥ 5/16 > 6 > 3 ≥ 1% ≥ 1% ≥ % ≥ 0 ≥ 10 ≥ 5 NO CEILING 2.3 F . 1 6.1 5.1 5 . 2 4.1 6. 1 6.1 5.1 6.1 6.1 6 . 1 6.1 6 . 1 6.1 6 . 1 ≥ 20000 6.5 6.5 6.5 b • 5 8 . 1 9 . 1 e . 1 8.1 8.1 9 . 2 8.1 2. 8 . I 8.1 3.1 8.1 6 . I ਲੈ•1 8.1 2.1 ≥ 16000 8 . 1 8.1 9.1 5.1 3.1 3.1 8.1 8.1 2.1 3.1 9.1 ا و B . 4 9.4 9.4 8.4 9.4 A . 4 5 . 4 8 . 4 8.4 ≥ 12000 2.5 9.1 9.0 9 . C 9.3 10.0 10.0 10.0 10.0 10.0 19.0 10.0 10.0 10.0 10.0 10.0 ≥ 10000 9000 10.3 10.3 10.3 10.3 10.3 10.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.4 11.4 11.3 11.3 ≥ 8000 12.6 12.0 17.6 12.6 12.6 12.6 12.6 13.6 13.6 13.6 13.6 13.6 13.6 17.6 13.6 14.5 14.5 14.5 14.5 14.5 13.6 13.6 13.6 17.6 13.6 6000 14.5 14.5 14.5 14.5 14.5 ≥ 4500 4000 18.4 15.4 19.4 13.4 18.4 18.4 18.4 15.4 18.4 18.4 18.4 18.4 18.4 3500 3000 67.7 61.7 54.8 65.7 55.5 66.1 66.5 56.5 66.8 66.8 66.8 66.8 66.8 67.1 2000 \$2.3 65.2 59.7 70.7 71.0 71.6 71.9 71.9 72.3 72.3 72.3 72.3 72.3 72.3 67.7 72.6 79.4 79.7 80.0 80.7 \$1.3 81.3 82.3 82.3 82.3 82.3 82.3 82.3 1800 1500 79.4 81.3 52.3 83.2 33.9 83.9 85.2 65.2 85.2 85.2 85.2 85.2 69.1 73.2 1200 1000 73.3 75.8 83.6 56.1 27.1 69.5 39.7 89.7 91.6 91.6 91.6 21.6 91.5 41.5 70.3 74.1 83.9 86.5 87.7 89.7 93.3 93.3 92.6 92.6 92.6 92.6 92.6 92.6 92.6 <u>></u> 900 800 700 600 14.5 71.6 77.1 85.5 88.1 89.4 92.3 93.6 93.9 96.5 96.5 96.5 96.5 96.5 96.5 71.5 77.1 85.5 88.1 89.4 92.6 93.9 94.2 97.4 97.7 97.7 98.7 98.7 99.0 59.4 71.0 77.1 85.5 38.1 89.4 92.6 03.9 94.2 97.4 97.7 97.7 98.7 98.7 99.5

89.4 92.6 93.9 94.2 57.4 98.1

89.4 92.6 93.9 94.2 97.4 98.1 93.1

89.4 92.6 93.9 94.2 97.4 98.1 98.1

93.9 94.2 97.4 98.1 98.1

TOTAL NUMBER OF OBSERVATIONS 310

99.4

99.4

99.4

99.4

98.1

99.4

79.4

99.700.0

99.4 99.7100.0

DIRNAVOCEANMET SMOS

14.5

71.0

71.0

300 200

≥ 100 ≥ 0 77.1 85.5

7.1

77.1 85.5 88.1

77.1 85.5 88.1

A9 . 1

35.5 88.1 89.4 92.6

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|--------------|-------|------|-------|------|-------------|-------------|-------|--------------|-----------|------|-------|-------|------|---------------|-------|-----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 14 | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 3 • 3 | 5.5 | 5.5 | 5.5 | | 3.3 | 5.5 | 5.5 | 5.5 | 5.5 | 5 - 5 | 5.5 | 5.5 | 5.5 | 5.5 | 5 • € |
| ≥ 20000 | 2.5 | | 6.5 | 6.5 | | 5.5 | 5.5 | / • 5 | 5.5 | 8.5 | 6.5 | 6.5 | 5.5 | | 6.5 | 6.5 |
| ≥ 18000 | 4.5 | i 1 | 7.7 | 7.7 | | 7.7 | 7.7 | 1 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | |
| ≥ 16000 | 4 . 5 | | 7.7 | 7.7 | | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| ≥ 14000 | 4 . 5 | 7.7 | 7.7 | | 7.7 | 7.7 | 7.7 | | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| ≥ 12000 | 4 . 5 | | * · 1 | 9.1 | ۶.1 | 5.1 | 8.1 | 8.1 | 3.1 | 3.4 | به و | 8 • 4 | 7.4 | 6.4 | 8.4 | <i>t.</i> 4 |
| ≥ 10000 | 4. | 8.7 | 9.7 | | i - i | 8.7 | 8.7 | 1 | 5.7 | | 9 • ₽ | 9.0 | | | 9 • 0 | |
| ≥ 9000 | 5.5 | | ? • ¥ | 9.4 | 9.4 | 9.4 | Q . 4 | | 2.4 | 9.7 | 9.7 | ç.7 | ٠.7 | - | 9.7 | 9.7 |
| ≥ 8000 | 5.1 | 10.3 | 10.3 | 17.3 | 10.3 | 10.5 | 10.3 | 1 1 | 10.3 | 10.7 | 10.7 | _ | | 10.7 | 13.7 | 10.7 |
| ≥ 7000 | 5 • 1 | · | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | | 13.7 | 11.0 | 11.0 | | | | | 11.6 |
| ≥ 6000 | 4.5 | 11.9 | 11.9 | 11.9 | 1 1 | 11.0 | 11.9 | 1 1 | 11.0 | 12.3 | 12.3 | | | 1 | | 12.3 |
| ≥ 5000 | 0. | 12.5 | 17.6 | 12.6 | 12.6 | 12.6 | 12.6 | | 12.6 | 17.9 | 12.0 | 12.9 | 12.9 | | | 12.9 |
| ≥ 4500 | 7 • 1 | | 13.2 | | | 13.2 | 13.2 | 13.2 | | 13.6 | 13.5 | 13.6 | | | 13.6 | 13.6 |
| ≥ 4000 | 7.7 | 15.2 | 1 . 2 | | | 15.2 | 15.2 | | 15.2 | 15.5 | | 15.5 | 15.5 | | | 15.5 |
| ≥ 3500 | 9.4 | ! ! | | 20.7 | 1 -) | 20.7 | 20.7 | 20.7 | | | | | | | | 71.€ |
| ≥ 3000 | 12.5 | 1 | 32.6 | | | ?2.9 | 32.9 | | 32.5 | 33.2 | | 33.2 | 33.2 | 33.2 | | 33.2 |
| ≥ 2500 | 15.2 | | 46.5 | | | 47.7 | 47.7 | 1 1 | 47.7 | 48.7 | 48.7 | 48.7 | 42.7 | | 48.7 | 45.7 |
| ≥ 2000 | 15.3 | 56.8 | 57.7 | | | F0.7 | 61.3 | | | | | 62.3 | | - | | 12.3 |
| ≥ 1800 | 15.A | | 62.3 | | | 56.1 | 66.3 | 1 1 | | | | | | | 67.7 | 67.7 |
| ≥ 1500 | 16.1 | 67.1 | 7 . 3 | | | | 77.7 | | | | | | | | 78.7 | 75.7 |
| ≥ 1200 | 16.1 | | 71.9 | | 1 : | 83.3 | 81.6 | 1 1 | - 1 | | 87.2 | | _ | | - | 33.2 |
| ≥ 1000 | 16.1 | | 74.5 | | | | 86.1 | | | | | | | | 90.3 | <u>. 20 • 3</u> |
| ≥ 900 | 15.1 | | 1 | | 1 1 | 27.7 | 80.4 | 91.9 | 91.0 | 92.3 | 92.3 | | _ | 92.3 | 92.3 | 02.3 |
| ≥ 800 | 16.1 | 72.3 | 74.1 | 83.2 | | 88.7 | 97.3 | | | | 43.2 | | | 33.6 | 93.6 | 97.0 |
| ≥ 700 | 10.1 | 1 | 70.5 | | 87.4 | 89.4 | 91.0 | | - 1 | | | | 94.2 | 94.2 | 94.3 | 오제 # 2 |
| ≥ 600 | 15.1 | 72.5 | | | | 59.7 | 91.9 | 93.9 | | | 95.5 | 95.8 | 95.5 | 95.8 | 95.5 | 95.0 |
| ≥ 500 | 15.1 | 72.6 | | | | 39.7 | 91.5 | 1 1 | | 95.5 | | | | | _ | 97.1 |
| ≥ 400 | 16.1 | 72.6 | 76.5 | 34.2 | 37.7 | F9.7 | 91.9 | 93.9 | 73.9 | 95.3 | | 76.5 | 97.4 | 97.7 | 97.7 | 27.7 |
| ≥ 300 | :5.1 | 72.5 | 76.5 | #4.2 | | 89.7 | 91.9 | | | 96.5 | 96.8 | 97.1 | 78.7 | 09.D | 99.0 | 99.0 |
| ≥ 200 | 15.1 | 72.6 | 76.5 | 84.2 | 27.7 | F9.7 | 91.9 | 93.9 | 93.9 | 96.5 | 96.8 | 97.1 | 94.7 | 29.4 | 99.4 | 99.7 |
| ≥ 100 | 16.1 | 72.6 | 76.5 | 84.2 | | 29.7 | 91.7 | 93.9 | 93.9 | 96.8 | 97.1 | 97.4 | 30.0 | 99.7 | 99.7 | 100.0 |
| ≥ 100 ≥ 0 | 15.1 | 72.6 | 76.5 | 84.2 | 87.7 | 89.7 | 91.9 | 93.9 | 93.0 | 96.8 | 97.1 | 97.4 | 99.0 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

63.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | ES) | | | | | | |
|--------------------|---------------|----------------|---------|--------|-------------------|--------------------|--------------|--------------|-----------|-------|-----------------------------------|-------|---------|--------------|-------------|-------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1½ | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ % | ≥ 0 |
| NO CEILING | ! • : | 5 • : | ٠, ۵ | ۲.9 | | 5.4 | 5.8 | 5 - 3 | F, P | 5.48 | F 8 | 5.8 | | 5 . F | | 5 · 2 |
| ≥ 20000 | 1.1 | | 6.5 | 6.5 | | <u> </u> | 6.5 | 0.5 | 5.5 | 5.5 | | 6.5 | | 6.5 | | 5.5 |
| ≥ 18000 ≥ 16000 | 2.0 | . A ■ 3 | Ω, 2 | 0.7 | ₹•7 3 7 | 2.7 | 2.7 | | 9.7 | e.7 | 2.7 | 9 • 7 | 7.7 | | 3.7 | |
| | 2 • 4 | 8.7 | 2.7 | 9.7 | P . 7 | 8.7 | 3.7 | 8.7 | 3 7 | 3.7 | 7.7 | 3.7 | 3.7 | 8.7 | 0.7 | . 7 |
| ≥ 14000 ≥ 12000 | ថ្ងៃក ក្.ក | 5 • 7 9 • 7 | 2.7 | 9.7 | d • 7 | 9.7 | 9.7 | 2.7 | 9.7 | 5 • 7 | 6.7 9.7 | 3.7 | 5.7 | 8.7 | 9.7 9.7 | 3.7 |
| | 3. | 10.2 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | | | | | 9.7 | | 7 . | | |
| ≥ 10000 ≥ 9000 | 2 • 1 | 10.1 | 13.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | | 10.3 | 17.7 | 1 2 2 | 10.7 | 10.3 |
| | ι, 1 | 11. | 11.0 | 11.0 | 11.5 | 11.0 | | 11.5 | 1100 | 11.0 | 11.0 | 11. | 11.0 | 11. | 11. | 11. |
| ≥ 8000 ≥ 7000 | 5.7 | 14.9 | 14.2 | 15.2 | 16.3 | 15.2 | 15.2 | 15.2 | 15.3 | 15.2 | 15.2 | 15.2 | 1 | 15.2 | 15.2 | |
| ≥ 6000 | > 1 | 15.5 | 1 3 . 3 | 15.5 | | 15.0 | | | 15.8 | 15.8 | · · · · · · · · · · · · · · · · · | 15.3 | 15.8 | | | |
| ≥ 5000 | 6.1 | 15.0 | 15.8 | 18.1 | 16.5 | 15.5 | 16.5 | 1 | 16.5 | 16.5 | 16.5 | 15.5 | 15.5 | | 16.5 | 14.5 |
| ≥ 4500 | £ • 1 | 16.0 | 16.3 | 17.1 | 17.4 | 17.4 | 17.4 | | 17.4 | 17.4 | 17.4 | 17.4 | | | 17.4 | 17.4 |
| ≥ 4000 | 7.7 | 18.7 | 18.7 | 19.0 | 14.4 | 19.4 | 19.4 | 15.4 | 17.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 10.4 |
| ≥ 3500 | . 7 | 23.0 | 24.2 | 24.5 | 24.8 | 24.3 | 24.5 | 24.9 | 24.4 | 24.8 | 24.9 | 24.5 | 24.0 | 24.5 | 24.8 | 24.0 |
| ≥ 3000 | :1•d | 32.3 | 37.2 | 33.9 | 34.2 | 34.2 | 34.2 | | 34.7 | 34.2 | 34.2 | 34.2 | 34,7 | 34.2 | 34.2 | 76.3 |
| ≥ 2500 | 1. | 44. | 41.5 | 47.7 | 42.1 | 48.1 | 40.1 | 48.1 | 4.2.1 | 49.1 | 45.1 | 49.1 | 40.1 | 48.1 | 44.1 | 40.1 |
| ≥ 2000 | 12. | 52.9 | 55.2 | 37.4 | | . (₽•C | 59.0 | 5.7.4 | 59.4 | 59.7 | 60.0 | €0.0 | 67.0 | 50.0 | 60.0 | , 50 • <u>7</u> |
| ≥ 1800 | 12.4 | 55.2 | | | | 12.7 | 62.9 | | 43.7 | 63.6 | 63.9 | 63.0 | 63.9 | 63.5 | 63.0 | E4 . 5 |
| ≥ 1500 | 12.1 | _ <u> </u> | 66.3 | 71.6 | 74.7 | 74.5 | 76.1 | 75.5 | 76.5 | 77.4 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 75.4 |
| ≥ 1200 | 15.4 | 61.6 | 67.7 | 73.2 | - 4 | 79.4 | 01. € | | 81.7 | 82.3 | 52.5 | 32.6 | ₹2.5 | 82.0 | 82.5 | * 3 • |
| ≥ 1000 | 1.2 | 92.9 | 59.4 | 73.1 | 87.9 | 43.6 | 86.1 | 36.4 | 36.6 | 85.4 | 34.7 | 68.7 | 80.7 | <u>€3.</u> € | 80. | 92.7 |
| ≥ 900 | 12.0 | 67.3 | | | | 3.9 | 86.5 | | 87.4 | 89.4 | | 39.7 | . A. •û | 9D • € | 90.5 | 10.7 |
| ≥ 800 | 1.7 | -3.3 | | 79.7 | | 5 . 4 | 48.7 | | 80.0 | ?1.¢ | | 67.3 | 93.7 | 93.7 | 3.4.5 | |
| ≥ 700 | 13.0 | 63.5 | | 30.3 | 62.5 | 6.5 | - | | 3 4 | | 92.5 | 95.9 | | 43.9 | | 74.5 |
| ≥ 600 | 1. | 3.0 | | | | °6.8 | 90.0 | | 31.3 | 33.7 | | 54.2 | | 95.2 | <u>95.2</u> | . \$ <u>5</u> • £ |
| ≥ 500 ≥ 400 | 17.0 | 63.9 | 75.7 | 20.7 | 35 . 1 | 57.4 | | | 92.0 | 95.8 | 96.1 | 96.1 | 57.4 | | 97.4 | |
| ≥ 400 | 12.0 | 63.7 | 7 . 7 | 51.7 | | | | | 93.7 | 95.5 | - | 96.8 | 43.4 | 98.4 | y8.4 | |
| ≥ 300 | 12. | 53.0 | 7 . 7 | 80.7 | | 77.7 | 91.3 | | 93.2 | 96.5 | | 96.8 | 98.4 | | 95.4 | |
| ≥ 200 | 12. | 53.7 | 7 . 7 | áC.7 | | 7.7 | 71.3 | 97.7 | 93.7 | 96.5 | | 97.1 | 35.7 | | 98.7 | |
| ≥ 100 ≥ 0 | 12.4 | 53.9 63.9 | 77 | 9:.7 | | < 7 . 7 . 7 . 7 | 91.3 | | 93.7 | 96.5 | | 97.1 | 95.7 | | | 100.0 |
| | 2 6 6 5 | 23. | F 1 6 7 | . 8∪•7 | 86.5 | F7.7 | 74.5 | 95.6 | 93.2 | 96.5 | 96.8 | 97.1 | 98.7 | 78.7 | 9706 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

73-17

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | - " | | | | VIS | IBILITY (ST. | ATUTE MIL | ES) | | | | | | |
|--------------------|-------|--------|--------------|------------------|--------------|--------|--------------|--------------|-----------|------------------|-------------|--------------|--------------|-----------------|------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/3 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ 1/4 | ≥ 5/16 | ≥ 1. | ≥ 0 |
| NO CEILING | • ' | €.7 | 2.7 | 7.1 | 9.0 | 9.0 | ?•∷ | 7.€ | 9.7 | 7.0 | 9.7 | ?•^ | | W.T | ٠. | ₹. |
| ≥ 20000 | • 7 | 9. | ್.4 | . 4 | 9.4 | 7.4 | 9.4 | C . 4 | 7.4 | 4.4 | ≎ . 4 | 9.4 | ^•4 | + | 9.4 | 3.4 |
| ≥ 18000 ≥ 16000 | . 1 | 9.7 | 10.0 | 10.0 | 19.0 10.0 | 10.q | 10.0 10.0 | 10.0 10.0 | 17.7 | . 13.0 13.0 | 10.7 | 10.0 10.0 | 10.0 17.0 | 13.0 15.0 | 10.3 | 10.5 10.8 |
| ≥ 14000 | . 7 | 7.7 | 3 | 19.8 | 17.5 | 10.0 | 17.0 | 10.0 | 10.0 | 10.1 | 40.F | 10.0 | 10.0 | 13.5 | 10.0 | 10.0 |
| ≥ 12000 | . 7 | 3.7 | 16.0 | 10.0 | 10.0 | 13.3 | 1.0,∙0 | 10.0 | 1~,7 | 10.0 | 17.0 | 10.0 | 10.5 | 10.1 | 10.0 | 17. |
| ≥ 10000 | • 7 | 10.0 | 17. | 10.3 | 10.3 | 10.3 | 17.3 | 1. 3 | 13 | 111.3 | 10.3 | 10.3 | 1 . 3 | 10.: | 1 | 17.3 |
| ≥ 9000 | | 10.3 | 10.7 | 10.7 | 10.7 | 10.7 | 15.7 | 19.7 | 10.7 | 10.7 | 17.7 | 15.7 | 17.7 | 10.7 | 17.7 | : . 7 |
| ≥ 8000 | • 1 | 10.3 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 1 5 . 7 | 1 1.7 | 10.7 | 10.7 | 19.7 | 17.7 | 1 7 |
| ≥ 7000 | | 12.9 | 1 '. ? | 17.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.7 | 17.2 | 13.2 | 13.2 | 12.7 | 13.2 | 17.2 | <u>. 13. 2</u> |
| ≥ 6000 | • 3 | 13.6 | 13.7 | 11.9 | 1:•9 | 13.5 | 13.4 | 13.9 | 13.9 | 13.9 | | 13.9 | • • • | | 13.0 | 13.0 |
| ≥ 5000 | • 7 | 14.5 | 14.3 | 14.8 | 14.8 | 14.9 | 14.3 | 14.5 | 14.5 | 1400 | 14.2 | 14.9 | | • | 14. | 1600 |
| ≥ 4500 | •] | 15.8 | 15.5 | 16.8 | 15.4 | 35.9 | 15.8 | 10.0 | 18.5 | 16.5 | 16.N | 10. | 16.8 | | 16.8 | 15.3 |
| ≥ 4000 | • | 17.1 | 17.7 | 13.1 | 17.1 | 18.1 | 1 7 . 1 | 1:.1 | 1.3 • 1 | 10.1 | 10.1 | 15.1 | 1 1 | 19.1 | 13.1 | 1 ` • 1 |
| ≥ 3500 | • | 1.0 | 21.7 | 22.3 | | 32.3 | 22.3 | 22.3 | 22.7 | 22.5 | | 22.3 | 1 | | 22.3 | 72.3 |
| ≥ 3000 | | | 30.0 | 30.3 | | 30.7 | 30.7 | | 311.7 | 3.1.7 | | 37.7 | | <u> 37.7</u> | | 36.7 |
| ≥ 2500 > 2000 | • 1 | 11.6 | 4:.5 | 45.8 | | 1 | 46.5 | | · · · · · | | ,,,,, | 46.5 | | | 40.0 | 65.5 |
| | · · • | 3.6 | 55.1 50.3 | 51.3 | 63.5 | 63.9 | 64.5 | | 61.6 | 64.3 | | 51.3 | | | 01.5 | |
| ≥ 1800 ≥ 1500 | • 1 | 61. | 65.7 | 74.3 | | 77.4 | 72.4 | | 73.4 | | | - • | | 70.0 | 70 7 | 79 |
| | | 63.4 | 71.0 | | | 12.5 | 33.4 | | 93.5 | | · | | | 4 : <i></i> : | | . 2 |
| ≥ 1200 ≥ 1000 | | 65.2 | 74.5 | 93.2 | 57.4 | | 90.0 | 1 | 70.3 | 91.3 | 1 | 71.6 | | - • • • | 91.5 | 91.9 |
| | | 65.5 | | | | 58.1 | 9 7 | | 91.0 | 91.9 | | 92.3 | | + -/ | 97.6 | 7.20 |
| ≥ 900 ≥ 800 | | u5 • 8 | 76.1 | 35.8 | 9 | 73.7 | 93.2 | 6 | 03.6 | | | 95.2 | - | 25 • 5 | 65.5 | 35.5 |
| | | 66.1 | 71.5 | | | 1.9 | 74.5 | | 95.2 | | | 96.8 | | 97.1 | 97.1 | 67.1 |
| ≥ 700 ≥ 600 | | 66.1 | 74.5 | 85.5 | | 91.9 | 94.8 | 25.3 | 35.0 | 27.4 | | 28.1 | 98.4 | | 98.4 | 23.4 |
| ≥ 500 | | 16.5 | 76.9 | 35.8 | | 42.3 | 95.2 | 26.1 | 96.1 | | · | 96.4 | 96.7 | + + | 98.7 | 5 7 |
| ≥ 400 | . 1 | 30.5 | 76.5 | 83.8 | 1 | | 95.7 | 76.1 | 76.1 | 97.7 | | 96.4 | 98.7 | | 79.7 | 26.7 |
| > 300 | . 7 | 56.5 | 76.8 | 26.B | | | 95.2 | 96.5 | 35.5 | 98.4 | · · · · | 99.3 | 90.4 | 99.4 | 79.4 | |
| ≥ 300 ≥ 200 | . 7 | 66.5 | 75.3 | 86.8 | 91.9 | 02.3 | 95.2 | 95.5 | 06.5 | 98.4 | | 99.0 | 90.4 | 99.4 | 79.4 | 29.4 |
| ≥ 100 > 0 | • ? | 56.5 | | 35.8 | [| 2.3 | 95.2 | 96.5 | 96.5 | | l •l | 99.0 | | ! | 99.7 | |
| ≥ 100 ≥ 0 | • 1 | 56.5 | | 35 • 8 56 • 8 | | 72.3 | 95.2 | 76.5 75.5 | 96.5 | 98 • 4 98 • 4 | l •l | 99.0 | | | | |

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-----------------------|------|--------------|----------------------------|--------------|-------------------|--------------|-------------|--------------|--------------|------------|-----------------|------------|--------------|--------------|-------------------|----------------|--|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 116 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ 1/3 | ≥ 5/16 | ≥ . | ≥ 0 | |
| NO CEILING ≥ 20000 | 1.4 | 7.° | 7 • ¢ | 7.0 c.4 | 7 . es | 7.0 8.4 | 7.9 | 7.9 5.4 | 7.9 | 7.4 8.4 | 7 . '- 6 . 4 | 7.9 3.4 | 7.5 | | 7.c | 7.0 | |
| ≥ 18000 ≥ 16000 | 7.1 | , , 7 | G 7 | 9.7 | 9.7 | 9.3 9.8 | 7.7 9.9 | 7.7 9.1 | ?.7 ?.₽ | | 9.7 9.5 | 9.7 | n.7 | | | 2.5 | |
| ≥ 14000 ≥ 12000 | 1 | 9.1 | 7.1 | ?.8 10.1 | 9.8 1:.1 | | 9.0 10.1 | | 9.2 10.1 | 10.1 | 0.9 | 9.3 | 7.5 | | 9.P | | |
| ≥ 10000 ≥ 9000 | 7.7 | 10.4 | 17.7 | 10.5 | 15.5 | 10.5 10.8 | 17.5 | 10.5 | 10.8 | | 1. • " | 13.5 | 17.5 | 10.1 | 10.5 | | |
| ≥ 8000 ≥ 7000 | 3.1 | 11.3 | 11.4 | 11.0 | | 11.4 | 11.4 | 11.4 | 11.4 | 11.5 | | 11.5 | 11.5 | 11.5 | 17.5 | 11.5 | |
| ≥ 6000 ≥ 5000 | 3.1 | 34.7 | 16.1 | 1 - 1 | 14.2 | | 14.2 | 14.2 | 14.7 | 14.2 | 14.2 | 14.2 | 14.7 | 14.2 | 14.2 | 14.7 | |
| ≥ 4500 ≥ 4000 | i | 17.9 | 17.7 | 16.1 | 15.1 | 1 | 15.1 | 15.1 | | 16.0 | 15.2 | 13.7 | 16.2 | 15.2 14.0 | 16.7 | 14.0 | |
| ≥ 3500 ≥ 3000 | • 1 | 77.4 | 22.7 33.1 | 33.4 | 23.0 37.6 | 1 | 23.0 | 23.0 23.6 | 33.6 | 23.1 | 23.1 | 23.1 | 27.1 | 23.1 | 23.1 | 73.1 | |
| ≥ 2500 ≥ 2000 | 7.8 | -4- | 40.3 | 97.2 61.8 | | | 47.6 | | 47.5 | 47.8 | 47.3 £7.7 | 47.5 | 47.8 63.7 | 63.7 | 63.7 | 67.5 | |
| ≥ 1800 ≥ 1500 | 7.7 | 5.4 | 62.7 | 65.0 | 66.2 75.4 | | 65.8 | 45.9 77.9 | 66.9 | | 57.4 75.0 | 47.4 | 67.5 72.0 | 72.9 | 67.5 | 47.6 79.1 | |
| ≥ 1200 ≥ 1000 | 7.1 | 65.4 | 71.9 | 77.6 81.0 | 00 • 4 ∂4 • 7 | 1 | 82.4 | · 2 . 7 | 87.9 87.5 | | 57.9 82.9 | 47.9 | 24. | 44.1 | 74.1 9:1.1 | 3 4 | |
| ≥ 900 ≥ 800 | 7.1 | 57.1 | 74.4 | 81.9 | 87.2 | 1 | 98.0 | 39.5 91.9 | (9.6 91.0 | | 91.3 | 21.3 | 94.1 | 71.5 54.1 | 91. | 21.7 | |
| ≥ 700 ≥ 600 | 7. | 67.0 | 75.7 | 93.8 | 9 g . ^ | 99.1 59.4 | 21.9 | 92.9 | 93.1 | 04.7 | 94.9 | 96.3 | 20.3 | 95.3 | ्रह, री 96 • 7 | 91. Š | |
| ≥ 500 ≥ 400 | 7. | 13.7 | 75. a | 94.4 | 89.7 | 39.4 | 93.0 | 24.6 24.5 | 25.5 | | 97.5 | 97.5 | 20.5 | 20.3 | 78.7 | 24.5 | |
| ≥ 300 ≥ 200 | 7.7 | 68.2 58.3 | 7 . 9 | Su . 4 | 50 • 6 3 # • 6 | 29.0 | 93.2 | `u , u | 95.0 | 97.5 | 98.1 | 98.0 | 09.1 | 99. | 99.4 | 2 6 5 2 6 5 | |
| ≥ 100 ≥ 0 | 7.1 | 58.3 68.3 | 75.7 | 34.4 54.4 | 58.8 \$4.8 | 99.T | 93.3 | | 95.1 | 57.7 | 96.1 | 98.2 | 00.3 | | 90.4 | 13.50 | |

TOTAL NUMBER OF OBSERVATIONS 7473

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | LES) | - | | | | | |
|-----------------------|------|--------------|----------------|--------------|--------|--------------|--------------------|----------------|--------------|---------------------------------------|-------------------------------------|----------------------|----------------|---------------------------|------------------------------------|------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 114 | ≥ 1% | ≥ 1 | ≥ ¼ | ≥ % | ≥ % | ≥ 5/16 | ≥ 1. | ≥ 0 |
| NO CEILING ≥ 20000 | | 7.7 | 7.1 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | l . | 7.7 | 7.7 | 7.7 | 7.7 | - | 7.7 | 7. |
| ≥ 18000 ≥ 16000 | | 3 • 7 | 2 • 7 7 • 7 | · . 7 | 7 . 7 | S.7 | | | | 9. | ^•1 | > • ™ 3 • € | | ₹. % ∀• | 6 je | • |
| ≥ 14000 ≥ 12000 | | | | 9.7 | | 5.7 | 8.7 8.7 | ° • 7 ∵ • 7 | | 9. | द.्त ६.८ | | | 5 5 | ?. ≘ | • |
| ≥ 10000 ≥ 9000 | | | 7 | . 7 | 7 7 | | · , , 7 | e . 7. | | , , , , , , , , , , , , , , , , , , , | 3. H | | <u></u> | ٠,٠ <u>• ٢.</u> | • | |
| ≥ 8000 ≥ 7000 | | | | 3.3 5.3 | G. 3 | د . ر | 9.3 | 9.3 | | 7 | 7 • 7 | 9.7 | · . 7 | 7•7 ••7 | ः •ूर | , . ? • |
| ≥ 6000 ≥ 5000 | | 11. | 10.7 | 10.0 | 1 . 7 | 10.7 | | | | 10.7 | 11. | 17.5 | 17.7 | 18•7 11•7 | | 11. |
| ≥ 4500 ≥ 4000 | | 1 | 1 | 10.0 | | | 12.1 | 10.5 | 17.5 14.7 | 14.7 | 14.7 | 14.7 | 17.7 | 12.7 | 1 . • ? _1 4 • ? | 10.1 |
| ≥ 3500 ≥ 3000 | | | 10.7 | 19.7 | 31.3 | 4 - | 10.7 31.3 | 71 3 | 21.7 | ? | 31.7 | 31.7 | 31 . 7 | 31.7 | 77.5 [11.7] | 1. |
| ≥ 2500 ≥ 2000 | | -1.7 | · | | 11. | 1.0 | 14.7 | 41.7 | 51.7 | 62. | 44.7. | 44.7 €2.5 | 44.7 ∵ • ° | 44.7 53.e.s | ्स स ्टै ११ ३ • ् | F 4 . ~ |
| ≥ 1800 ≥ 1500 | | 5 7 . | 71.7 | 45.3 | 76.3 | :4.7 76.7 | 77.0 | | 77.7 | 70. | 55.7 73.6≦ | 7:•7 | * 5 • 7 | . 55•7 . 77•2. | 7 | • |
| ≥ 1200 ≥ 1000 | | | 7 | | a7.1 | 2.3 | 30.7 | v3.2 20.6 | 3:00 | ^, .7 | 83.7 50.7 | 3.7 21.1 | | 73.7 [11:1] | 73.7 91. | 11. |
| ≥ 900 ≥ 800 | | /1.7 | 3 7 | 13.7 | | 11.7 | 97.1 | | 4.5 | 74.5 | 56.3 | 53.7 <u>75.</u> 7 | ```!• _•_ | 43. , <u>95</u> .7, | 30.° 23.°7. | 25.7 |
| ≥ 700 ≥ 600 | | 1.7 | | 30.3 | 91.7 | 3.0 | 94.3 | .,, | 7.7 | | 4F • 3, | 95.7 | 57.0 | ۱۰۰۳ م <u>آ</u> ه کارت | 97." 99." | 37. 30.7 |
| ≥ 500 ≥ 400 | | | 31.5 | 16.3 16.7 | 92.1 | 3.7 | 95.7 95.7 | 20.3 | | 95.7 | \$9.3 - 79.7 -60-7 | | , | 7•49 <u>1-22-1</u> | 99 .7 191.] | · |
| ≥ 300 ≥ 200 | | | 61.0° | 7.1 | ា∵•ា | 13.7 | 15.7 | ाउ •ु ४ | 39.3 | 99.7 99.7 | 90.7 | 115.0 | 100.0 | 1 2 | 177 | 1 |
| ≥ 100 ≥ 0 | | • | 81. | | 9 . | 7 | | | - | | | | 100.1 100.0 | 1 1 0 • 1 1 0 0 • 0 | 130.1 130.1 | 1 0 •1 127 •0 |

| TOTAL MILMORD OF OBSERVATIONS | |
|-------------------------------|--|

6

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VI | SIBILITY (ST | ATUTE MIL | LES) | | | | | - | |
|--------------------|------|---------------------------|--------------|--------------|-------------|------------|-------------|----------------|----------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/3 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ 46 | ≥ ⅓ | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING | | 7. | 7, | 7 | 7.5 | 7. | 7.3 | 7.3 | 7.7 | 7.3 | 7.5 | 7.3 | 7.3 | 7.3 | 7.5 | 7.3 |
| ≥ 20000 | | 7. | | 7.3 | 7.7 | 7.7 | 7.7 | 7.7 | ? • * | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | |
| ≥ 18000 ≥ 16000 | | 7 • 7 | 7.7 | 8•∏ 2•3 | * • † | 3 8 . 7 | 5.2 2.7 | 8 • 7 3 • 7 | γ • ₹ 5 • ₹ | ა.; წ.•7 | . \$ | | 7 | 2.3 | ° • 3 • • 7 | 8•3 8•7 |
| ≥ 14000 ≥ 12000 | | • | | 3 | Я. 7 | a.7 | 5.7 | 5.7 9.7 | S.7 | 7 • • 1 | 9.5 | 9.0 | 3 . C | | ი • ე | |
| ≥ 10000 ≥ 9000 | | | . | • 3 | > 7 | 8.7 | 8.7 8.7 | 7 | 2.7 | | a • 1 | C. 10 | | 9.7 | 9.0 | |
| ≥ 8000 ≥ 7000 | | | . " | . 7 | ~ • 7 | 3.7 | 5.7 10.0 | 13.3 | 5.7 | | 0.0 10.3 | 5.7 10.3 | 10.0 | | 10.7 | 5.0 1:.3 |
| ≥ 6000 ≥ 5000 | | 11. | 1 .1 | 17.3 | 1 . | 11.7 | 12.7 | 11.7 | 10.7 | 11.0 | 11.0 | 11.0 | 11.0 | 11.7 | 11. | 11.7 |
| ≥ 4500 ≥ 4000 | | 1.1 | 12 | 11.3 | 11.7 | 11.7 | 11.7 | 21.7 | 11.7 | 12. | 1 .7 | 13.0 | | 12.0 | 12.0 | 12.5 |
| ≥ 3500 ≥ 3000 | | } - - <u>}</u> | | 1 . 3 | | 10.7 | 13.7 | 19.7 | 11.7 | 19. | 1 0 0 20 0 | 19.1 | 19.7 | 29.3 | 17.0 | 17.0 |
| ≥ 2500 ≥ 2000 | | 1. | | 45.5 | 45. | * (s - 3 | | 45.3 | 45.7 | 4: .7 | 46.7 | 45.7 | _ | 46.7 | 45.7 | 46.7 |
| ≥ 1800 ≥ 1500 | - | 4.1 | . —— | 76.7 | 50.0 | | 56.7 | | | · | 66.3 | | U 5 - 3 | 6.3 | 65.3 | 66 |
| ≥ 1200 ≥ 1000 | | 7.7 | 7 | | 25.3 | -5.7 | 06. | 1.0 | 54.5 | + | | 97.7 | 7.7 | 87.7 | E7.7 | 67.7 |
| ≥ 900 ≥ 800 | | • | 50.0 | | 71.0 | 2.7 | 79.7 | 25.7 | 19.7 | + | 24.3 | 74.3 | • | + | 94.7 | 56.3 |
| ≥ 700 ≥ 600 | | | 31.7 31.3 | 78.7 | 37.7 | 3.7 | 95.7 | 75 • € | 76.0 | 93.0 | 96.0 | | CF | + | 78.1 | C |
| ≥ 500 ≥ 400 | | • / | 82. | 3 . 7 | 94.7 | 4.7 | 97. | 7.7 | 77.7 97.7 | 99.7 | 130.0 | | 177.0 | 177.5 | 100.0 | 177.3 |
| ≥ 300 ≥ 200 | | 59.7 | 87.6 82.1 | 64.7 | 24 . 3 | 4.7 | 77. | 57.7 27.7 | 97.7 | 90.7 | | 170.0 | 170.0 | ++ | 170.0 | |
| ≥ 100 ≥ 0 | | 7.7 | 92.0 | 89.7 | 94.3 | 4.7 | 97. | -7.7 ?7.7 | | 54.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| TOTAL | NUMBER | OF | OBSERVATIONS |
|-------|--------|----|--------------|

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | ····· | \ <u>\</u> | | | VIS | SIBILITY (ST | ATUTE MIL | ES) | | | | | | - |
|--------------------|---------|------------------|------------|-----------------------|------------|--------------|--------------|--------------|------------------------------|--------------|-------------|--------------|-------|--------|------------|---------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ ∿ | ≥ 0 |
| NO CEILING | | 5.7 | 3.3 | 5.7 | 5.7 | E . 7 | 5.7 | 5.7 | 7.07 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| ≥ 20000 | 3. | 5 • 7 | _ 5.7 | 5.7 | <u>5.3</u> | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| ≥ 18000 ≥ 16000 | 3.1 | 7.1 | 7.0 7.0 | 7.0 7.0 | 7.7 | 7.0 | 7.0 | 7.0 | 7.5 | 7.0 7.0 | 7.0 7.0 | 7.0 7.0 | | | 7.5 | 7.0 |
| ≥ 14000 ≥ 12000 | 3.1 | 7.7 | 7.1 | 7.1 | 7.7 | 7.7 | 7.5 7.0 | 7.0 | 7.7 | 7.0 | 7.0 | | | 7.0 | _ | 7. |
| | 7 • 1 | 7 | 7.0 | 7.0 7.0 | 7.5 | 7.5 | 7.0 | 7.0 | 7.7 | 7.7 | 7 • C | | 7,7 | + | | |
| ≥ 10000 ≥ 9000 | 7 | 7. | 7,7 | 7.5 | 7.0 | 7.5 | 7.0 | 7.7 | 7 | 7 . : | 7.1 | 7.0 7.0 | | | 7.0 7.0 | 7.5 |
| ≥ 8000 | 3. | 5 • 5 | • 1 | - u | 3.7 | *•0 | 3.0 | ~ • □ | • • □ | ម ម | ₹.0 | 8.0 | 3 . [| | 0 . 5 | ″•. |
| ≥ 7000 | 4 🛊 | 10.0 | _13.6 | <u> 1</u> i • 5 | 10.7 | 10.3 | 10.0 | 10.0 | 13.0 | 10.0 | 15.0 | 10.0 | 17.5 | 16.0 | 17.0 | 10.0 |
| ≥ 6000 | 4 . | 10.7 | 17.7 | 11.7 | 11.0 | 11.3 | 11.0 | 11.0 | 11.0 | | 11.0 | 11.0 | 11.C | 11. | 11.0 | 11.0 |
| ≥ 5000 | 4 • 7 | 17. | 17.7 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.2 | 17.3 | 12.2 |
| ≥ 4500 | 4 . | 13. | 1 . | 15.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.5 | 13.3 | 17.3 | 13.5 | 13.3 | 13.7 |
| ≥ 4000 | > 1 | 15.4 | 1:.7 | 10.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.7 | 15.3 | 15.7 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 |
| ≥ 3500 | • • | 3.3 • 4 | 24.3 | 24.7 | 24.7 | 74.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 |
| ≥ 3000 | 문•기 | 30.3 | 30.07 | 31.7 | 31.7 | 31.7 | 31.7 | | 31.7 | 31.7 | 31.7 | 31.7 | 71.7 | 71.7 | 31.7 | <u> </u> |
| ≥ 2500 | .7.7 | 42.7 | 43.7 | 45.3 | | | 46.7 | | 45.7 | 46.3 | 45.3 | 46.3 | 45.3 | 46.3 | 46.3 | 45.3 |
| ≥ 2000 | 12.3 | 5 • 3 | 57.7 | 65.7 | 62 • C | 7.7 | 63.7 | | ნ3•0 | 63.3 | | | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 1800 | 13.1 | 7007 | 67.7 | £3.3 | 64.7 | (5.3 | 65.7 | | • | | 36.3 | | 56.3 | 66.3 | 66.3 | 85.3 |
| ≥ 1500 | 13.1 | - ₹ 4 • € | 66. | 7".0 | 73.0 | 78.7 | 79.3 | 73.7 | 79.7 | 30.3 | | | 8 . 7 | F7.7 | 80.7 | <u>86.7</u> |
| ≥ 1200 | 13. | ·6 · 7 | 77.3 | 72.3 | | 14.0 | | | | | i - | | 35.0 | 56.1 | 86.7 | 46 . C |
| ≥ 1000 | 13.4 | 69.3 | 75.3 | | 87.3 | E . 3 | 90.0 | · | | 92.0 | 92.3 | 92.3 | 62.7 | 92.7 | 72.7 | 92.7 |
| ≥ 900 | : 7.3 | 70 • 7 | 76.17 | 94 • 0 | 1 | 25.3 | 91.0 | | | | | 43.7 | 94.0 | 64 . C | 04 • D | 94.3 |
| ≥ 800 | 1.5 • 3 | 70.3 | 713.7 | 84.7 | | °O. : | 97.3 | | | | 95. | 95.3 | 66.3 | 25.3 | 95.3 | 75.7 |
| ≥ 700 ≥ 600 | 13.3 | 73.3 | 76.7 | 24.7 | | 93.3 | 92.3 | | 93.3 | 94.7 | 95.8 | 95.3 | 95.7 | 95.7 | 95.7 | 0 7 |
| ≥ 600 | 17.3 | 70.7 | 77.0 | 85.6 | | 90.7 | 23. | 75.0 | 95.0 | | • | | | + + | 98.2 | 000 |
| ≥ 500 > 400 | 13.3 | 75.04 | 77.0 | \$5.0 | 80.3 | 70.7 | 93.0 | ' [| 95.0 | | | | | | 98.7 | , |
| | 13.3 | 70 • 7 | 77.5 | 75.0 | | 91.5 | 93.7 | | 97.7 | | | | | + | | 69,3 |
| ≥ 300 ≥ 200 | 17.3 | 70.7 | 77.0 | 20 8 20 9 20 02 | 95.4 | 91.3 | 93.7 93.7 | 55.7 | 95 .7 95 .7 | 98.0 98.5 | 1 - L | 98.7 98.7 | | | | 99.7 190.0 |
| ≥ 100 ≥ 0 | 1 7 . 3 | 7: . 7 | 77. | 45.0 85.0 | 90.0 | 21.3 61.3 | 93.7 | 25.7 | 95.7 | 93.17 | 98.7 | 98.7 | 94.7 | + | 99.7 | 190.0 |

TOTAL NUMBER OF OBSERVATIONS 370

SMAR MOITATE

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 21/2 ≥ 11/2 ≥ 1% NO CEILING 4.0 4 . : 4.0 4 . 3 4 . 4.7 · • ≥ 20000 4 . ₹. ۶. ₹.3 5.3 5.3 5.3 5.3 ্ হ F . 3 5 • 3 · • 4 5.3 5 • 3 > 16000 2. ≥ 14000 ≥ 12000 5.7 ≥ 10000 2.1 ≥ 8000 ≥ 7000 10.7 11.3 10.7 10.7 10.7 10.7 15.7 13.7 10.7 ≥ 6000 ≥ 5000 11.5 11.3 11.3 11.3 11.3 11.3 11.3 11.7 13.7 13.4 13.7 13.0 12.7 13.7 13.7 13.9 13.9 13.0 13.0 13.0 7. 13.9 <u>≥</u> 4000 15.4 15.7 15.7 15.7 15.7 15.7 15.7 15.7 15.7 15.7 15.7 23. 24.7 24.7 24.7 24.7 31.0 31.0 31.0 74.0 24.7 24.7 24.7 11.J 24.7 29.3 3000 30.3 37.3 31.0 31.0 31.0 31.0 31.0 31.0 41.7 40.7 42.3 43.3 43.3 43.3 43.3 43.3 43.4 43.3 43.3 43.3 43.3 43.3 ≥ 2500 50.7 60.0 61. 4 61.3 61.7 41.7 61.7 :5.1 2000 61.7 61.7 51.7 61.7 61.7 61.7 ≥ 1800 ≥ 1500 65.7 72.3 73.7 17.7 73.0 78.7 78.7 73.7 78.7 70.5 77. 76.7 83.7 24.7 35.3 25.7 36.0 <u>></u> 45.7 85.7 1200 77.7 73.7 30.7 86.7 57.7 80.3 40.3 39.7 91.0 91.7 91.7 91.7 21.7 87.7 48.7 59.3 2 .3 92. 1 -2.7 900 800 <u>></u> 94.7 95 82.7 82.7 93.3 91.7 93.2 43. 77.7 70. 7 97. 0 93. 3 93. 3 95. 0 95. 0 95. 0 97. 93.3 93.3 95.7 95.7 95.7 12.7 63.7 75.7 72.7 89.n 600 97.0 27.0 91.3 94.0 95.7 99.0 70.7 33.3 84.7 75.7 98.4 99.7 99.0 99.0 <u>}</u> 500 400 75.7 95.7 96.0 99.7 99.0 99.7 99.7 99.7 77.7 धर जे १० म ११ जे १४ ज 77.7 23.3 99.7 91.3 94.0 99.7 91.3 94.0 71. 35.7 98.0 99.0 99.0 99.7170.0100.0100.0 <u>≥</u> 35.7 95.7 98.0 99.0 99.0 95.7 95.7 48.0 99.0 99.0 99.7100.0100.0100.0 33.3 80.7 94.3 71.3 99.7130.0100.0100.0 100 94.3 55.7 95.7 98.6 99.0 99.0 99.7100.0100.0100.0 79.7 83.3 89.7

TOTAL NUMBER OF OBSERVATIONS

30

CEILING VERSUS VISIBILITY

77-73

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEI | LING | | | • | | | | VIS | HBILITY (ST | ATUTE MII | LES) | | | | | | |
|-------------|----------------|---------|----------------------|-------|--------------|------|-------|------------|-------------|--------------|-------------|-------------|------------|---------------------------------------|-------------------------|---|----------------|
| (F | EET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ ¥ | ≥ % | ≥ % | ≥ 5/16 | ≥ % | ≥ 0 |
| | EILING | · • | 4 • 3 | 4.3 | 4.3 | | 4.3 | 4.3 | 4.3 | 4 • | 4.3 | 4 . 3 | 4.3 | 4.3 | 4.3 | 4.3 | + • 3 |
| _ ≥ : | 20000 | | 4. | 4.3 | 4 - 3 | | 4 . 3 | 4.3 | 4 . 3 | 4.7 | 4.3 | • | 9.3 | - | | 4.3 | |
| | 18000 | | و و د | ` • 3 | 5.3 | 1 | 5.3 | 5.3 | 5.3 | , 7 | | 1 1 | 5 • 3 | • | | | · • 3 |
| _==' | | | 5.3 | - 3 | | | | 5.3 | 5.3 | | · · 3 | | <u> </u> | | 5.3 | <u>5 • </u> | <u> 5</u> |
| | 2000 | 1.1 | 5.7 | | 5.7 | | | 5.7 5.7 | 5.3 5.7 | 5.7 5.7 | 5.7 | 5.7 | 5.3 5.7 | • • | . • . | 5.3 5.7 | ٦ • ٢ • ٠ ٠ |
| | · | | - - 5 .) | 5.5 | 5.7 | | 5.7 | 5.7 | = 7 | 5.7 | + | | | | - <u>5.7</u> ; | | |
| | 9000 | | 5 • 7 | 5.7 | 6.3 | l . | 6.0 | 6.0 | . 0 | 5.7 | 5.7 | 5.7 6.7 | 5.7 6.9 | | | 5.7 6.0 | 5.7 |
| | | | 6.1 | | 5.3 | | 6. | 6.3 | t • 3 | 5.7 | | | 5.3 | 4 . 3 | <u>ا و و .</u> د و و | <u>0 • 0</u> 5 | + |
| | 7000 | ا د | 7.0 | 7.7 | 7.3 | | 7.3 | 7.3 | 7.3 | 7.7 | 7.3 | | 7.3 | 7.3 | | 7.3 | 7. |
| | | 5 | 7.3 | 7. 1 | 7.7 | | 7.7 | 7.7 | | 7.7 | | | 7.7 | 7.7 | | | 7.7 |
| | 5000 | 4 | 7.7 | 7.7 | 3.5 | | 8. | 6.0 | | | , | | a•0 | | 2 . D | 8.0 | 7.0 |
| ≥ | 4500 | 7. | 11.3 | 11.3 | 11.7 | 11.7 | 11.7 | 11.7 | 12.7 | 11.7 | 11.7 | | 11.7 | 11.7 | + | | 11.5 |
| | 4000 | ليہ و ت | 13.3 | 17.3 | 13.7 | 14.0 | 14.5 | 14.0 | 14.1 | 14.7 | 14.7 | 14.3 | 14.0 | 19.0 | 14.0 | 14.7 | 14.5 |
| ≥ | 3500 | 11. | 22. | 22.7 | 23.5 | 23.7 | 73.7 | 23.7 | 27.7 | 27.7 | 23.7 | 27.7 | 23.7 | 27.7 | 23.7 | 23.7 | 23.7 |
| .≥ | 3000 | . 1. 3 | 20.7 | 27.7 | 30.0 | 33.7 | 70.7 | 30.7 | 717 | 77.7 | 3:1.7 | 30.7 | 37.7 | 30.7 | 30.7 | 35.7 | 75.7 |
| | 2500 | 150.3 | 45.7 | 44.3 | 45.9 | | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ | 2000 | 17.3 | 35.7 | | [3.3 | 60.3 | 43.3 | 60.? | 60.3 | 63.3 | 67.63 | 60.3 | 6 1.3 | <u>87.3</u> | 50.3 | 1.23 | 50 . 3 |
| | 1800 | 17. | 20.U | - 1 | 53.7 | | | 64.7 | 63.0 | | | | | | 65.0 | 65.3 | 65.7 |
| ≥ | 1500 | 1. | 68.3 | 77.7 | 70.3 | | | 77.3 | 79.7 | 77.7 | | + | 79.7 | 79.7 | 79.7 | 79.7 | 77.7 |
| _ | 1200 | • • | 70.7 | 75.7 | 85.7 | 47.0 | | 84.0 | - 1 | . • | I | | 84.3 | | 54.3 | 54.3 | 60.3 |
| ≥ | 1000 | 1 | 72.5 | | | | | 97.7 | | | 92.3 | 22.3 | | · · · · · · · · · · · · · · · · · · · | <u>, 92.3,</u> | 65 - 3 | 55 • 3 |
| ≥ | 900 | 15.7 | 72.3 | | | | 49.7 | 91.3 | | 92.3 | | | | | _4 5 •? | 63.0 | : 43.0 |
| _ ≥ | 800 | | 73.0 | | | | | 95. | | 36.3 | | 97.7 | 97.7 | | 97.7 | 97.7 | 77.7 |
| ₹ | 700 600 | 18.0 | 73.0 | | 87.5 | | | 95.7 | | | : | | 99.7 | _ | | 98.7 | 25.7 |
| ≥ | | 1001 | 73.0 | 70.7 | 87.0 | | | 24.7 | ○7.° | 97.3 | | | | 98.7 | + | <u> </u> | 0 A . 7 |
| <u>></u> | 500 400 | | 73.5 73.3 | 70.7 | 87.3 97.3 | | J . | 96.3 | 07.7 | 98.7 98.7 | | | 97.3 | | | 99.3 | |
| | | 13. | 73.0 | 7 . 7 | | | | 90.3 | | | | | 97.3 | | 99.7 | 59.7 | 97.3 |
| <u>}</u> | 300 200 | 10. | 73.3 | 7 . 7 | 97.3 | | 73.3 | | 77.7 | 93.0 | 90.3 | 99.3 | 99.3 | - | ! | 99.7 | _ |
| ≥ | 100 | 18.0 | 73. | 77.7 | 27.3 | | | 96.3 | | 98.7 | | | 79.3 | | | 99.7 | |
| Ξ | | 1 0 | 73.7 | 79.7 | 87.3 | 20.3 | | 96.3 | | 98.7 | | 90.1 | 99.3 | 1 | 59.7 | | |

CEILING VERSUS VISIBILITY

STATION STATION NAME 772-37 YEARS WORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 5 ≥ 3 ≥ 1% ≥ 1% ≥ 5/16 NO CEILING 4.1 4.5 ≥ 20000 6. 4.3 6.3 ≥ 16000 4 . 1 ≥ 14000 ≥ 12000 ≥ 10000 ¿ . 7 6.1 ≥ 8000 ≥ 7000 0 9.3 ≥ 6000 ≥ 5000 10.0 10.0 10.0 13.3 11. 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 14.0 14.0 14.0 14.0 4000 14.0 14.5 14.5 14.5 24 . 7 .4 . 7 34.7 ≥ 3500 ≥ 3000 24.7 24.7 24.7 24.7 24.7 31.7 37.3 33.0 33.0 33.0 32.0 33.0 46.71 44.3 46. 2500 50.3 58.3 50.7 58.7 58.7. 2000 18.01 55.3 58.3 58.3 58.3 54.3 58.3 58.3 57.5 59.7 64.0 54 . 3 64 . 3 64 . 7 79.7 40.6 77.3 73. 80.0 95. 82.7 73.7 1200 69.3 75.7 94.3 97.3 1000 18.3 89.3 90.7 89.7 91. 75.3 05.3 AE.7 89.7 97.7 31.7 91. 9 92.7 92.7 72.7 16. \$ 70. 7 77. \$ 85. 3 90. 3 41. 3 92. 3 93. 3 93. 7 96. 3 96. 3 66. 3 94.3 97. 90.7 92.7 04 . D 97. 30.3 71.7 97.3 97.2 97.3 98 - 98 9 9 5 58 5 75.7 77.3 36.7 91.3 92.3 93.3 4.7 95.7 98. 91.7 25.7 98.7 93.7 77.7 72.7 93.7 75.3 78.7 90.3 99.3 77.7 87.0 91.7 2.7 91.7 37.3 91.7 2.7 93.7 72.7 87.0 91.7 93.7 45.3 35.7 49.0 99.3 99.3hnc.ohau.chca.chca 87.7 91.7 52.7 93.7 95.3 95.7 99.0 99.3 99.3100.0100.0100.0100.0 100 91.7 92.7 93.7 95.3 95.7 99.4 99.2 99.3h C. Oh DO. Oh DO. Oh DO 10.3 70.7 77.7 87.0

TOTAL NUMBER OF OBSERVATIONS 300

CEILING VERSUS VISIBILITY

STATION STATION AND TEAMS TEAMS OF STATION AND STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

| CEILING | | | | | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | |
|------------------|------------|---------|-------|------------|---------------------------------------|--------|-------|--------|--------|-------|-------|-------------|------|--------|-------------|----------|--|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 11/4 | ≥ 11/4 | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ ⅓ | ≥ 0 | |
| NO CEILING | 2.0 | 3. | 3.0 | 3.0 | 3.0 | 3.5 | ₹.0 | 3.0 | 3.0 | 3.0 | 3.3 | 3.0 | 7.5 | 3.0 | 3.0 | 3.0 | |
| ≥ 20000 | 2 • 3 | 3.1 | 3.3 | 2.3 | 3.3 | 3.7 | 3.3 | 3.3 | 3.3 | 3 - 3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | |
| ≥ 18000 | ≥ • 3 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4 . 7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | |
| ≥ 16000 | 4 • 3 | 4.7 | u . 7 | 4.7 | 4.7 | 4.7 | 4,7 | 7.01 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | |
| ≥ 14000 | 2.3 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | | 4.7 | |
| ≥ 12000 | - 6 0 3 | 5.0 | 2.7 | 5.3 | 5.0.7 | 5.0 | 5.7 | 5.0 | 5.0 | 5 • û | | <u> 5.9</u> | F.C | 5.0 | | 7 6 5 | |
| ≥ 10000 | 2 - 3 | 5.9 | ٥٠, | 5.0 5.0 | 5.7 | 5.0 | 5 • C | 5.7 | E . 17 | 0.0 | 5 • n | 5.0 | ឹ∗ប៊ | 5.0 | 5 • 0 | | |
| ≥ 9000 | 2 • 3 | 5.5 | 200 | | | 3.0 | 5.7 | 5.0 | E . ~ | | 5.5 | 5.0 | 5.7 | 5.5 | <u> 5.0</u> | <u> </u> | |
| ≥ 8000 > 7000 | 3. 1 | 5.7 | 2.7 | 5.7 | | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 5.7 | |
| | 5.7 5.3 | 5.7 | 6.7 | 3.7 | 2.7 | 8.7 | 6.7 | 5.7 | 5.7 | 6.7 | 5.7 | 5.7 | 4.7 | 8.7 | 3.7 | 5.7 | |
| ≥ 6000 ≥ 5000 | | 10.4 | | 10.0 | 10.5 | 10.0 | 10.0 | 10.0 | 10.0 | 10.9 | 10.0 | 10.0 | | 13.5 | 10.0 | 10.0 | |
| | 5.7 | 1 | 11.3 | 11.7 | - | | 10.3 | 10-3 | 10.3 | 10.3 | | 10.3 | | 10.3 | | 10.3 | |
| ≥ 4500 ≥ 4000 | 2 | 12.3 | 12.3 | | 11.7 | 12.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 1 | 11.7 | | |
| + | 7 | 11. | 27.7 | 72.7 | | 72.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 12.7 | 22.7 | 22.7 | 17.7 | |
| ≥ 3500 ≥ 3000 | 10.7 | 20.3 | 30.0 | 31.0 | | | 31.0 | 31.0 | 31.7 | 31.0 | 31.0 | 31.0 | 31.0 | | 31.7 | | |
| ≥ 2500 | 77.7 | 41.7 | 42.3 | 43.7 | · · · · · · · · · · · · · · · · · · · | 44.0 | 44.3 | 44.3 | 44.3 | 44.3 | 44 | 44. 7 | 44.3 | 44.3 | | | |
| ≥ 2000 | 15.1 | 5.0 | 57.n | 50.3 | | 60.0 | 60.3 | 50.3 | 60.3 | 60.3 | | 60.3 | 6 7 | 60.7 | | 60.7 | |
| ≥ 1800 | 11.3 | 3.0 | 67.07 | 63.C | 67.3 | -4.7 | 64.3 | 64.3 | 64.3 | 64.3 | · | 64.3 | | 64.7 | 64.7 | 64.7 | |
| ≥ 1500 | 15.3 | 65.0 | 69.3 | 75.3 | | 77.0 | 73.0 | - 1 | 78.3 | 79.0 | | | | 79.3 | 79.3 | 79.3 | |
| ≥ 1200 | 15.3 | 35.7 | 71.3 | 79.7 | Bn.n | 11.3 | 52.7 | 93.0 | 33.D | | | 54.7 | | 84.3 | 84.3 | | |
| ≥ 1000 | 10.3 | 68.0 | 73.3 | 81.7 | 33.7 | 25.7 | 67.0 | 28.3 | 58.3 | 90.0 | 1 1 | 90.0 | 90.3 | 90.3 | | 90.3 | |
| ≥ 900 | 15.3 | 68. | 77.3 | 82.7 | 84.0 | 96.7 | 87.3 | 58.7 | 39.7 | 90.3 | | 90.3 | 90.7 | 90.7 | 90.7 | 90.7 | |
| ≥ 800 | 15.7 | 60.0 | 73.3 | 82.7 | 85 • n | 67.3 | 90.3 | 92.0 | 92. C | 93.7 | 33.7 | 93.7 | 74.0 | 94.0 | 04.0 | 94.0 | |
| ≥ 700 | 17.53 | 48.5 | 73.3 | \$2.7 | 85.3 | 37.7 | 90.7 | 93.0 | 93.5 | 95.0 | 95.0 | 95.0 | 95.3 | 95.3 | 95.7 | 25.7 | |
| ≥ 600 | : 7 • 3 | 66.0 | 73.7 | 83.0 | 85.7 | 88.0 | 91.0 | 93.3 | 93.3 | 95.3 | 95.3 | 95.3 | 95.7 | 95.7 | 96.0 | 96. | |
| ≥ 500 | 15.5 | 59.7 | 74.3 | 94.0 | | 64.0 | 92.3 | 95.0 | 45.0 | | 97.3 | 97.3 | 93.0 | 1 | 98.3 | 98.3 | |
| ≥ 400 | 15.3 | 68.7 | | P4.0 | | 99.0 | 92.7 | ٥٢. ٢ | 95.3 | | 98.0 | 98.3 | 97.5 | | | | |
| ≥ 300 | 15.3 | 6.8 . 7 | 74.3 | 84.0 | | 39.0 | 92.7 | 75.7 | 95.7 | | ! : | 98.3 | | | 100.0 | | |
| ≥ 200 | 10.3 | 60.7 | 74.3 | 64.0 | | 89.0 | 92.7 | 05.7 | 95.7 | 98.0 | | 98.3 | | | 100.0 | | |
| ≥ 100 | 15.3 | | 74.3 | P4 • 5 | | 69.0 | 92.7 | 75.7 | 75.7 | | 1 - 1 | 98.3 | | | 100.0 | | |
| ≥ 0 | 15.3 | 68.7 | 74.3 | Я4.6 | 86.7 | 99, | 92.7 | 75.7 | 95.7 | 98.3 | 95.3 | 99.3 | 99.3 | 99.3 | 100.0 | 00.0 | |

TOTAL NUMBER OF OBSERVATIONS

700

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(FEET) ≥ 10 ≥ 6 ≥ 5 ≥ 1% ≥ 1% ≥ ; ≥ % ≥ 5/16 NO CEILING 9.0 5 e i ≥ 20000 3 . 7 3.7 8.7 8.1 2.7 8.7 £ . 7 c . ? 8.7 8.7 €.7 P . 7 8.7 5.7 ≥ 18000 ≥ 16000 6 . 7 ₹.7 b . 7 8.7 9.7 6.7 â . 7 5.7 3.7 3. 8.7 8.7 3.7 3.7 8.7 ≥ 10000 5.7 8. 6.7 9 5.7 7000 10.7 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.3 11.3 11.0 11.0 11.2 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 13. 13. 3 13. 3 13. 3 13. 3 13. 3 13. 3 13. 7 13. 3 13. 3 13. 3 15. 7 16. 0 16 13.3 13.3 ≥ 4500 16.0 16.0 16.0 16.0 16.0 ≥ 3500 ≥ 3000 2500 2000 18.7 61.3 64.0 64.7 64.7 64.7 55.0 65.0 65.3 65.7 65.7 65.7 65.7 65.7 74.3 76.7 76.7 77.6 77.3 77.3 77.7 75.6 75.6 75.6 79.1 78.0 167.3 74. 73.7 83.0 75.5 62.7 87.5 53.0 54.0 04.7 34.7 85.0 85.3 85.3 65.3 85.3 05.3 85.3 57.0 68.3 69.0 99.0 80.7 90.0 90.0 90.0 90.0 90.0 1000 75.0 22.3 87.7 67.7 89.3 90.3 91.3 91.3 91.3 91.3 91.3, 91.3 900 800 69.7 76.3 84.7 89.3 59.3 91.3 92.3 92.3 93.4 47.3 97.3 73.0 500 70.7 77.3 86.3 92.3 92.3 95.3 7.0 97.0 99.0 99.3 99.3 99.3 99.3 99.3

VISIBILITY (STATUTE MILES)

TOTAL NUMBER OF OBSERVATIONS

99.7100.0100.0100.0100.0100.0

DIRNAVOCEANMET

77.3 86.0

92.3

100

73.7 77.3 24.0 92.3 62.3 95.3 97.0 97.0 99.0 99.3 99.7 99.7 79.7 70.7 77.3 26.0 92.3 92.3 92.3 95.3 97.3 97.3 99.3 99.7 100.0100.0100.01 70.7 77.3 26.0 92.3 92.3 92.3 92.3 97.3 97.3 99.3 99.7 100.0100.0100.01

7.3 97.3 99.3 99.7160.0160.0100.0100.0100.01

22.3 95.3 97.3 97.3 99.5 99.7100.0100.0100.0100.0100.0

CEILING VERSUS VISIBILITY

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ACMAIN.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

A L L

| CEILING | | | | | , | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-------------------|--------|------------|------------------|--------------|--------|--------------|--------------|-------------|-----------|-------------|------------------|-------------|---------------------|---------------|--------------------|----------------------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/5 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ 1, | ≥ 0 |
| NO CEILING | 1.7 | 1.6 | 5.5 | 5.5 | 1.5 | 5.5 | F . S | 4.5 | ₹ | 5.4 | 7.5 | 5.0 | 1.65 | 5. | 5.5 | £ . |
| ≥ 20000 | 1.7 | 5.5 | | 5.6 | 5 . 6 | 5.6 | 5.5 | :.6 | ۰.6 | جوذ | 6.5 | 5.6 | - 5 | 5.06 | £ . 6. | |
| ≥ 18000 | 2.0 | € • 7 | (| 6.8 | 5 • 3 | € • € | 0 • € | 5 . 8 | გ. 🧖 | 6.2 | 5.0 | F . 3 | r.a | 5.0 | 4 . 5 | € • 5 |
| ≥ 16000 | 2. | 6. | £ , 0 | 6.3 | 5.5 | 6 . F | 5.6 | 6.9 | 6.5 | 5.9 | 5.0 | 6.7 | 6.9 | | 4.9 | . <u>\$.</u> 7 |
| ≥ 14000 | 2.1 | 5 • € | 6.5 | 5 • 5 | | 5 • 1 | 6.3 | | E .F | 6.7 | | 6.4 | | | 4.0 | 4. • 5 |
| ≥ 12000 | | <u>ت .</u> | (• 9 | F . 6 | | 5.5 | 5.5 | 5,9 | 200 | 7. | | 7.0 | | ·- <u>-</u> | <u>?.e</u> £ | . ? |
| ≥ 10000 ≥ 9000 | 2.19 | 6.4 | 6.9 | 7.3 | | 7 • € | 7. | 7.3 | · | 7 • 1 | 7 • 1 | 7 • 1 | | | 7 • 1 | |
| | 2.3 | 7.5 | 7, 7 | 7.3 | | 7 • 1 | 7.1 | 7.1 | 7.1 | 7.2 | 7.2 | | 7.2 | 7.2 | 7 • 2, | 2 |
| ≥ 8000 ≥ 7000 | | 9.0 | 7.5 | 7.9 | 1 | 7.0 | 7,9 | 7.9 | 7.0 | | • | . • 0 | 8.0 3.5 | 0.5 | • ' | • |
| | 3.1 | 3.5 | - 3 | 0.3 10.0 | | 9.4 | 15.7 | 9.4 | 10.0 | 7.5 13.1 | 2.5 10.1 | 9.5 10.1 | , _ ′• ≥ | 19.1 | | |
| ≥ 6000 ≥ 5000 | | 300 | 10.51 10.51 | 15.7 | 10.7 | | 10.7 | 1 | | | 17.0 | 10.9 | 1 - 1 | 1 | 15.9 | 1 .1 |
| ≥ 4500 | | 1. | 1 2 1 | 1.3 | | | 17.3 | 1 . 3 | | 12.4 | | 17.4 | 17.4 | 12.4 | 12.4 | |
| ≥ 4000 ≥ 4000 | 4 . 7 | 14.1 | 14.1 | 14.3 | 14.4 | | 14.4 | 14.4 | 14.4 | 14.5 | 14.5 | 14.5 | 4 5 | 14.5 | 14.5 | 11.5 |
| ≥ 3500 | | | 4 7 . 1 | 7.2.5 | 22.7 | :2.7 | | | | | 27.3 | 22.6 | | 32 | 23.6 | 72.3 |
| ≥ 3000 | 7 • 0 | 19.7 | 30.4 | 34 | 71.1 | 31.1 | 31.1 | 71-1 | 31.1 | | 31.2 | 21.2 | 31.7 | 71.2 | 31.2 | 31.3 |
| ≥ 2500 | - 4 | 41.7 | 4 7 . 7 | 44.3 | 44.0 | (8 Mg 19 | 4 4 . () | 44.0 | 44.4 | 4 5 . | 45.0 | 45.0 | 4 | 43.1 | 45.0 | 4 3 |
| ≥ 2000 | 5 • • | 54.0 | 57.6 | 57.8 | 50.€ | 6.U • : | 51.E | 41.0 | 51.7 | 61.7 | 61.2 | 51.2 | 21.3 | . 61.3 | 51.3 | 51.3 |
| ≥ 1800 | 9.4 | 37.6 | 61.2 | 63.8 | 64 . A | 95.0 | 55.2 | 55.3 | €5.3 | 65.3 | 65.5 | 65.5 | 65.6 | 45.5 | 65.5 | 45.6 |
| ≥ 1500 | 1. • | 55 e to | | 7 5 | | | 70.7 | 74.9 | 72.9 | 79.3 | . <u>75 . 4.</u> | 70.4 | . 79 . <u>5</u> | 79.5. | 79.5 | . 25 • 2 |
| ≥ 1200 | 1 | 67. | 74. | 77.5 | | | 34.1 | 94.5 | 14.5 | 35.0 | 45.1 | 35.1 | #5.2 | 85.2 | 85.2 | 45.0 |
| ≥ 1000 | | | | | | 3.1 | 57.2 | | <u> </u> | 71.2 | | 21.4 | . 21 • 5 | . 51.5. | 91.5 | , 91 × 5 |
| ≥ 900 ≥ 800 | 17 • 3 | 69.0 | | | | (9. | 90.3 | | | | 72.6 | 77.0 | . ? ? • 8 | 92.8 | A | 92.5 |
| | 17.3 | 70.4 | | 55.2 | 80.5 | 90.7 | 97.5 | | | | | 75.4 | <u>55</u> e.5 | . 35 •5, | . 95 • 5. | . 25 • 5 |
| ≥ 700 ≥ 600 | 10.0 | 70.5 | 7 .1 | 25.5 35.7 | | | | 74.5 | 94.6 | | 1 | | | 96.5 | 96.6 | 96.0 |
| | 18.3 | 70.3 | | 86.1 | 90.9 | 71.6 72.1 | 34.6 | | 26.4 | 97.3 | 97.5 | | | | . <u>Y./.a./</u> . | 99.º |
| ≥ 500 ≥ 400 | 100 | 70.3 | 7 . 6 | 56.1 | 01.1 | 02.3 | 94.9 | | 95.7 | - | 99.1 | 99.1 | 90.5 | 99.5 | 97.1 | 77. |
| ≥ 300 | 10.0 | 70.5 | | ^6.1 | 91.1 | 62.3 | 94.9 | 96.5 | 95.7 | | 99.2 | 99.3 | | + | | . 22 1. 2 9 . 9 |
| ≥ 300 ≥ 200 | 10.0 | 70.8 | 73.6 | 86.1 | 91.1 | 02.3 | 94.9 | 36.7 | 76.5 | | | | | 99. | | |
| > 100 | 12.2 | | | r6.1 | | ^2.3 | 74.7 | | | 3.09 | | | | 59.3 | | |
| ≥ 100 ≥ 0 | 13.7 | 70.5 | 78.5 | 86.1 | 91.1 | 22.3 | 34.3 | 1 | | 94.9 | | 59.3 | 22.8 | | 99.9 | |

TOTAL NUMBER OF OBSERVATIONS ___

2421

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

31

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | .E\$) | | | | | | |
|----------------|------------|--------|----------------|--------|--------|--------|------|--------------|------------------|-------|----------|---------------|------------|-----------------|-------------------|---|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | 4 . | 5.0 | 4, 5 | t: • 3 | 7.0 | 4.3 | N . B | T . 1 | 4.3 | ų " p | 4.9 | , | - | | 4.5 |
| ≥ 20000 | | 4 , 1 | u . | 4 , 3 | 4 | 4.8 | 4.5 | <u> </u> | 4-3 | 4 . P | 4.9 | 400 | 14 m f | | 4 . 4 | 4.4 |
| ≥ 18000 | | 4 . 4 | 4 . 6 | | 4 . 5 | | 4.3 | | 4 • 5 | ₩.€ | 4. | 4 • 3 | | | 4.8 | 4 |
| ≥ 16000 | | 4 | | 4.6 | 4 . 6 | 4.5 | 4.3 | 4 . 2 | 4.3 | 9 | 4.5 | 3.5 | 400 | | 4.5 | . 4e i |
| ≥ 14000 | | 4 • - | 4 . * | 4.8 | 4 • ? | 4 . 4 | 4.9 | 4.8 | 4.3 | 4.00 | | - 1 | 4.5 | | 4.0 | 4. |
| ≥ 12000 | | | | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | ? | يمعد | <u> </u> | - 3.2 | 5.2 | + | 6.5 | <u>. 5</u> |
| ≥ 10000 | | 3 • | . 7 | 5 • 2 | 5.2 | 5.2 | 5.2 | 5 • 2 | 5.2 | 5.7 | 5 • 2 | 2 . 2 | | 5.0 | 5 • 🗘 | · 5 |
| ≥ 9000 | | 5.7 | r • ? | 5.2 | 5,2 | 5.2 | 5.2 | 1.02 | 5. 6.7 | 102 | 5.2 | 5.2 | <u> </u> | . <u>5 e 2.</u> | 5.2 | ز عــــــــــــــــــــــــــــــــــــ |
| ≥ 9000 | 1 | 5 • 5 | 5 • € | . 5 | 5.5 | 5. / | 5.5 | 5.5 | 5.5 | 5 • ≎ | 8.5 | 9.5 | 5.5 | 5.5. | ٠, ٠, | 5 . 6 |
| ≥ 7000 | | 5.5 | _ 6 ° ° | 4, 4 % | 6.5 | 6.5 | 6.5 | 5.5 | 5 • ⁵ | 6.5 | 6.5 | 6.5 | 5 . 5 | 6.5 | <u>6.5</u> | <u>. 6.0</u> |
| ≥ 6000 | , | · · ! | 6. • 5 | 6.5 | € • € | 5.5 | 6.5 | C • 5 | ti 💇 | 4.6 | 6.5 | 6.5 | 4.05 | 6.5 | 5.5 | C. |
| ≥ 5000 | | 6 • 1 | . € • 3 | 5 - 4 | 6.8 | 6.3 | 6.2 | 6.3 | 5.4 | 8.0 | F. 9 | 6.3 | 6.8 | 6.0 | 6.3 | 6.8 |
| ≥ 4500 | | • | ~ . 1 | 1.1 | e . j | 8.2 | 8.1 | 5.1 | 1.1 | 2.1 | ١, ٥ | ٠.١ | 1 | 9.1 | ٩.1 | 5. |
| ≥ 4000 | | . 7 | 7 | ž • 7 | 9.7 | 9.7 | 9.7 | 9.7 | ₹ . 7 | 9.7 | 0.7 | 9.7 | 7 | · 5.7 | 9.7 | 9.1 |
| ≥ 3500 | | 15.7 | | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 11.7 | 15.2 | 1".2 | 11.2 | 15.3 | 15.2 | 15.2 | 15. |
| ≥ 3000 | . 1 | 32.3 | 27.6 | 22.8 | 22.6 | 22.6 | 22.6 | 22.5 | 4 n | 22.0 | 22.5 | 22.0 | 02.6 | 12.5. | 27.6 | 77. |
| ≥ 2500 | • | 12.7 | 33.6 | 35.2 | 35.07 | 75.7 | 35.5 | 35.5 | 35.5 | 3 | 35.5 | 37.5 | 75.5 | 71.5 | 35.5 | 75.6 |
| ≥ 2000 | | 47.4 | 51.7 | 83.9 | 54.5 | 74.5 | 54.9 | 54.3 | 64.9 | 54.8 | 54.0 | 54.3 | f. 4 . 5 | | 54.8 | |
| ≥ 1800 | . 7 | | 54.5 | | 50.7 | | 20.0 | 5.7.0 | 50.0 | 56.1 | | 29.0 | (0,0 | 79.7 | 50.0 | |
| ≥ 1500 | | 4.9 | 67.4 | 73.2 | 75.2 | 75.2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | | 75.5 | 75.5 | 75.5 |
| ≥ 1200 l | . 5 | | | | 43.6 | | 34.5 | 4.5 | 84.5 | | 34.5 | 94.5 | | | P & _ S | |
| ≥ 1000 | | 1. | 70.0 | | 80.7 | - | 92.7 | • • | | | 91.0 | | ี ยุ มี ก็ | 91.0 | 91.0 | 01. |
| ≥ 900 | | 72.3 | | .7.4 | 91.7 | 1.9 | 57.6 | | 92.6 | | | | 0 | 92.9 | 92.9 | |
| ≥ 800 | • 1 | | 21.0 | | 92.9 | 03.6 | 94.2 | | 64.7 | _ ' | - ' | | | 74.5 | 94.5 | 94 |
| | | 14 . 2 | | 7 7 7 | ₹4.8 | 95.5 | | 96.1 | | | | 76.5 | 71.5 | 96.5 | 94.5 | |
| ≥ 700 ≥ 600 | - | 74. | 87.e | 91.3 | | 36.5 | 97.1 | 77.1 | 97.1 | | | 37.4 | | 97.4 | 97.4 | 25 |
| | <u>• 3</u> | 15.0 | 94.7 | v2.3 | 97.1 | 97.7 | 99.4 | | | 08.7 | | | | · · | · | : 77± |
| ≥ 500 ≥ 400 | - 3 | | | 92.3 | | 77.7 | 98.4 | | - 1 | 78.7 | - 1 | 7 1 | , , | | 48.7 | 76. |
| | | | | 92.3 | 97.1 | 77.7 | | | 36.7 | | | | | · | . <u>75 + (</u> . | |
| ≥ 300 ≥ 200 | - | | 84.2 | | | | 98. | 78.7 | | 99.4 | 59.4 | 09.4 | 99.7 | | | 90. |
| | - 3 | | 84.2 | 72.3 | 97.1 | ೧8 • 1 | 99.0 | 74.5 | 70.7 | 99.7 | | $\overline{}$ | | | 102.0 | |
| ≥ 100 | • 57 | | | 02.3 | 97.1 | 98.1 | 95.0 | 33.0 | | 89.7 | - 1 | - 1 | | 100.00 | | |
| ≥ 0 | • . | 75.7 | 84.7 | 92.3 | 97.1 | 98.1 | 68.3 | 7.3 | 1.0 € 6. | 99.7 | 99.7 | 99.7 | E 773.0 | R UC . CD | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS

3.1

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | - | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|----------------|------------------|------------|------------------|-----------------|--------|------------|-------------|----------------|------------|------------|------------|------------------|-------------------|---------|-----------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/4 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ ₁. | ≥ 0 |
| NO CEILING ≥ 20000 | | | 7.07 | 9 | | 2.7 | 7. | 2.9 | 2.4 | ĵ•° | 2.5 | 2.0 | ?.9 | | 2.9 | <u> 9</u> |
| ≥ 18000 | | 3.3 | 7.02 | 1.2 | 7.7 | 3.7 | 3 | 3.2 | 3.2 | 3.2 3.7 | 7.0 3.0 | 3.2 | 3.2 | 3.2 | <u></u> | 7.2 |
| ≥ 16000 | ļ | 3 • 3 | 7.2 | 7.2 | 3.5 | 3. | 3.7 | 3.2 | 3.3 | 3. | 3.2 | ٠. : | 3.2 | 7. | 3.7. | 3.2 |
| ≥ 14000 ≥ 12000 | | 7.0 | 3•? ••• | 3 • 2) 3 • 2) | - 1 | 3.2 | 7.2 3.2 | 3.2 | 3. 3 | 3.2 | 7.2 7.2 | 3•2 3•2 | 7.? 3.2 | 3.2 | 3.2 | 5•2 3•• |
| ≥ 10000 | | 3.0 | ₹. 6 | 3.6 | | 3 • 6 | 3 | 5.6 | • · · | J = F | 7.6 | | | | 3.5 | <u>و و د</u> ع و ح |
| ≥ 9000 | | 3.5 | 3.5 | 3.6 | 3.6 | 3.4 | 3.6 | 3.6 | 3 | 3.0 | 3.6 | 3.5 | 7.€ | | 3. 6. | غ . د |
| ≥ 8000 | | 3.0 | ۲. ٦ | 3.5 | ₹.0 | 7.9 | 3.7 | 7.3 | 3.2 | 3.3 | 3.0 | 3.9 | 3.0 | | 3.0 | 5.5 |
| ≥ 7000 | | 4.2 | 4.7 | 4.2 | 4.7 | 4.3 | 4.7 | 4.2 | 4 . ? | 4.2 | 4.2 | 4.2 | 1.2 | 4.2 | 4.2 | 4 • 7 |
| ≥ 6000 | • 3 | 4.5 | 4.5 | 4.5 | | 4.5 | 4 . 5 | 4.5 | 4.5 | 4 • 5 | 4.5 | 4.5 | # • <u>5</u> | 4.5 | 4.5 | 4.5 |
| ≥ 5000 | •] | 4.0 | 4.7 | 4.6 | 4 . 4 | 4,2 | 4 . 5 | 4.0 | 4 | 4 . 4 | 4.3 | 4.3 | 4.8 | 4.0 | 4.8. | 4 • 2 |
| ≥ 4500 ≥ 4000 | 7 | 6.7 | (| 4 . 8 | 5 • 6) n _ n | 6 • 6 | 5.9 | 6.8 | 6.5 | 6.8 | 5.3 | 6.9 | 6.5 | : | 6.4 | t. • € |
| _ - | - - | 110 | | 11.3 | - | 9.0 | 17.3 | 12.3 | | 12.3 | 12.3 | 12.3 | | + | 9.0 | |
| ≥ 3500 ≥ 3000 | 1. | 1 71.0 | 71.7 | 21.3 | 21.7 | 71.5 | 21.3 | 11.3 | 21.3 | | 21.3 | 21.3 | 21.6 | 21.6 | 21.6 | 71.5 |
| ≥ 2500 | 1.7 | 72.7 | 37.2 | 33.9 | | 73.9 | 33.7 | 73.4 | 73.0 | | 33.9 | 33.7 | 34.2 | 74.2 | 34.2 | 34 . 7 |
| ≥ 2000 | 3 • 5 | 43.1 | 50.3 | 51.6 | 51.7 | 11.9 | 51.3 | | 51.7 | 51.5 | 51.0 | 51.9 | 52.3 | . 52.3. | 52.3 | 52.3 |
| ≥ 1800 | | 53. | 55.≖ | 15.4 | 50.7 | 58.7 | 58.7 | 20.5 | 43°J | ቔኇ∙ር | 59.0 | 59.1 | 53.4 | F 0 . 4 | 59.4 | C 4 |
| ≥ 1500 | 2 • 2 | 4. | 60.4 | 72.3 | · | 73.0 | | | | 74.5 | 74.5 | 74.5. | 74.P | . 74 <u>. 6</u> . | 74.5. | 74.2 |
| ≥ 1200 > 1000 | 2.3 | 75.0 | 76.1 | 77 | 82.9 | I | 83.2 | 13.6 | 33.61 | | 53.9 | A 3. 9. | 84.2 | 94.2 | 24.7 | 84.7 |
| L- - - | | 72.9 | | F5.5 | | 58.1 | 88.7 | 70.3 | 84.4 | 99.7 | 87. | 89.7 | . 93∍ <u>1</u> 1 | , ≘ુુ. | 30.0 | 6.1. |
| ≥ 900 ≥ 800 | | | 51.6 | 85.8 88.4 | | 89.0 | 89.79 | | 90.3: 91.9: | | 90.7 | 92.3 | 91.0 92.6 | 32.6 | 97.6 | 91.0 |
| | | 76.1 | •— | 71.3 | 93.6 | 73.5 | 94.7 | | | 95.2 | | 55.2 | | 45 F | 95 | |
| ≥ 700 ≥ 600 | 2.1 | 6.5 | 85.2 | 12.3 | 94.5 | 34.5 | 95.2 | | 26.1 | | | | | 36 · 8. | 96.8 | 94.2 |
| ≥ 500 | 2.3 | 76.5 | 55°E | 92.6 | 95.2 | 65.2 | 95.8 | 97.1 | 97.1 | 97.4 | 97.4 | 57.4 | 77.7 | 97.7 | 97.7 | 97.7 |
| ≥ 500 ≥ 400 | 1 | 76.5 | 35.5 | | | | 97.1 | 93.4 | | 98.7 | | 98.7 | 99.5 | 96.6. | 29.0. | 66 |
| ≥ 300 | 7. | 75.5 | 85.8 | 93.2 | 35.8 | 75.8 | 97.4 | | 73.7 | | 79.0 | 99.0 | 99.4 | 79.4 | 99.4 | 93.4 |
| ≥ 200 | 2. | 76. | 85. A | 03.2 | 95.5 | 25.8 | 97.4 | | 94.7 | 84.7 | 99.0 | | <u>-</u> | 99.4 | 99.4 | CQ , 4 |
| ≥ 100 ≥ 0 | 2.3 | ሻ 76.∂ 1 76.€ | 85.2 | 93.2 | 95.5 | 75.5 | 97.4 | 28.7 | - | - 1 | 97.4 | - 1 | | 100.0 | - , | 1 |
| | <u> </u> | 10. | 530° | ¥3.66 | 75 0 7 | 3.1 | 7 7 9 4 | 5.7 | 1301 | 77.4 | 77.4 | 77.4 | لا و الله | | 00000 | |

TOTAL NUMBER OF OBSERVATIONS 311

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST. | ATUTE MIL | ES) | | · | | | | |
|----------------|---------|---------------|----------------------|-------|--------|--------|----------|--------------|--------------------|----------|----------------------|-------|----------|--------|------------------|-------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/3 | ≥ 11/4 | ≥ 1 | ≥ ¼ | ≥ % | ≥ ⅓ | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING | . 7 | 3.7 | 3.0 | 1.0.7 | 7.2 | 3.5 | 3.2 | 3.2 | 3.7 | 3 • 2 | 3.2 | 3 - 2 | 7.2 | 3 • ž | | 3.7 |
| ≥ 20000 | 1 | 3.4 | 3.€ | 7.6 | 3.6 | 3.0 | 3.5 | 3.00 | 3.5 | 3.6 | 3.6 | 3.6 | 7.6 | 1.0 | | 3.6 |
| ≥ 18000 | 1.4 | 4.7 | 4.5 | 4.5 | 4 . 5 | 4.5 | 4.5 | 4 . 5 | 4.5 | 4 • 5 | 4.5 | 4.5 | 4.5 | 4 . 5 | 4.5 | u , 9 |
| ≥ 16000 | 1.1 | 4 . 2 | | 4 • 5 | ti . = | 4 . 5 | 4.5 | | ₩ _e c | 405 | 4.5 | 4.5 | 4.5 | 4. | 4.5 | 5 . 5 |
| ≥ 14000 | 1.1 | 4.9 | | 4.5 | 4 - 5 | 4 . 5 | 4 . 5 | 4.5 | 4 • 5 | 4 • 5 | 6.5 | 4 . 5 | | | 4.5 | |
| ≥ 12000 | 1. | <u> </u> | 3.7 | ^ . 7 | 5 • 2 | 5 . 2 | 5.2 | 5.2 | | 206 | 5.2 | 5 . ? | | | 12:2 | . ' <u>•</u> |
| ≥ 10000 | 1.5 | | - 1 | 3 . 2 | 5. • 2 | 5.2 | 5.2 | | 5 . 2 | | , , | 5.2 | | | 5.2 | |
| ≥ 9000 | 107 | | | | 5.2 | | <u> </u> | - 502 | 2 | | | 5.2 | F . 2 | | 5 • 24 | |
| ≥ 8000 | 1.5 | | | | | 5.5 | 5.5 | 5 . 5 | ₹. | . t. • 5 | 9.5 | <5 | | | 5.5 | 5.5 |
| ≥ 7000 | | | | 19.54 | 6.9 | 500 | 6.3 | (. 3 | (• 6 | 5 | | 6.8 | | | <u> 5.5</u> | |
| ≥ 6000 | 7.00 | | | 1 | 7 . 1 | 7 - 1 | 7.1 | 7 - 1 | 7.1 | 7.1 | 7.1 | 7.1 | | | 7.1 | 7.1 |
| ≥ 5000 | 3 12 | | | | - 4 | | € • 4 | 2 - 4 | 3.4 | F . h | | 4 | 9.4 | 2.4 | 2.4 | |
| ≥ 4500 | - • | | 7.0 | ?•: | | 9.3 | ବ ₀୍ଞ | 9.0 | ات <u>و</u> ب | | | ?∗0 | | : 1 | | _ ? • :: |
| ≥ 4000 | | <u>. 12•9</u> | 12.5 | 1.00 | | 12.6 | 17.6 | | 12.6 | | 17.6 | 12.6 | 12.6 | | | 17.6 |
| ≥ 3500 | • | 17+1 | 17.1 | 17.4 | 17.4 | - 1 | 17.4 | 17.4 | 17.4 | | | - 1 | 17.4 | 17.4 | | 17.4 |
| ≥ 3000 | • 1 | | 2 | | 27.7 | | 27.2 | | £ 7.07 | 23.7 | | 23.2 | 23.7 | 23.2 | 23.2. | 2352 |
| ≥ 2500 | 13. | 71.4 | | 34.2 | 34.5 | | | | 34 - 5 | 34.5 | 34.5 | 34.5 | 74.5 | 34 - 5 | 34.5 | 34.5 |
| ≥ 2000 | 3.3 | 47.7 | | 77.2 | | 3.6 | 53.6 | | 23.5 | 53.6 | 53.6 | 53.6 | 37.6 | | . 53.5 | ્રાંકે <u>ક</u> ્ |
| ≥ 1800 | | | 50.1 | | | 10.3 | 60.3 | 10.3 | | 50.00 | 6. 3 | F • 3 | | 50.3 | | |
| ≥ 1500 | 1:03 | 61. | 67.7 | 77.2 | 73.9 | 73.0 | 73.7 | 73.9 | _73. ?, | 73.9 | <u>(</u> | 73.3 | 73.9 | 73.5 | 12.3 | |
| ≥ 1200 | 1 4 • • | 67.1 | | - 1 | | | 53.6° | | | | 61.6 | 33.6 | 11 Fe 51 | 83.6 | : 23 • to | 9 T • 5 |
| ≥ 1000 | 14.5 | 71. | 77.4 | | | 18.4 | 89. | | | 87. | - 5 2 • 3 | 87.2 | <u> </u> | 22. | - 2 - 1 | |
| ≥ 900 > 800 | 14.7 | | 1 & •70 1 0 = • N | 1 | 1 | 23.7 | 71.7 | | 91.3 | | v1.3 | 91.3 | 91.3 | 91.3 | 71.3 | 01.3 |
| ≥ 800 | 14 • 5 | 77.5 | | * 3.7 | | 73.2 | 93.0 | | 3.6 | 73.9 | 9 7 .C | 73.9 | 33.7 | 93.9 | | • |
| ≥ 700 > 600 | 14.7 | 12.00 | | 65.7 | | .4 . d | 95.5 | - | 95.5 | | | 95.5 | 95.8 | 95.5 | 95.5 | 9 |
| | 14.5 | 3 • 3 | | 93.3 | 95.2 | 27.1 | 96.5 | | *5.5 | 96.5 | | | | 96.5 | | <u>?</u> |
| ≥ 500 ≥ 400 | 14.5 | . | 84.2 | 91.3 | 75.2 | 67.1 | 97.7 | 98.1 98.1 | 95.1 | 98.1 | 1 | 98.4 | 98.1 | 78.1 | 98 • 1 98 • 4 | 98.1 |
| | 4.4 | | | 1 3 | 35.2 | 7.1 | 91.1 | 23.7 | | | | 99.4 | 99.4 | | | 09.0 |
| ≥ 300 ≥ 200 | 14.5 | | | | 95.5 | 77.4 | | 79.0 | 00.4 | 99.7 | 30.7 | 00.7 | | | | 30.7 |
| ≥ 100 | 14.5 | | | | 95.5 | 77.4 | 99,4 | 29.U | 39.8 | 90.7 | 69.7 | 99.7 | | 96.7 | 100.0 | 100.0 |
| 2 0 | 14.5 | 73.2 | 34.2 | | | 27.4 | 98.4 | 99, | | | 20.7 | 99.7 | 99.7 | | | |

TOTAL NUMBER OF OBSERVATIONS 310

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | ··. | - | | | | VISI | BILITY (ST | ATUTE MILE | ES) | | | | | | |
|-----------------------|-----------|------------------------|-------------------------|---------------------|----------------------------------|--------------|-------------------------|-----------------------------|------------------|------------------------------------|----------------------|-----------------------|---------------------------------------|--|--------------------|----------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | 2.4 | ≥ 3 | ≥ 21% | ≥ 2 | ≥ 114 | ≥ 114 | ≥ 1 | ≥ ¾ | ≥ 4 | ≥ % | ≥ 5/16 | ≥ ·. | ≥ 0 |
| NO CEILING ≥ 20000 | • 1 | 1.1 | 1.3 | 3.4 S | 1. | 1.9 | 1. | 1.5 | 1. | 1.4 | 1.5 | 1.3 | 1.0 | | 1.7 | 1.7 |
| ≥ 18000 ≥ 16000 | • | 1.1 | | ان. از و الإ | . • € 2 • £ | 1. | 2 • 14 2 • 14 | 7 • 6. 7 • 6. | 7 . E. 3 . 6 | | 7 • C | 2 • 5 2 • 5 | ć | 2.1 | 2.4 | |
| ≥ 14000 ≥ 12000 | | • 1 | . 7 | 2 • % 2 • % | 7 . F | 3 • 1 | 7 . S | 고•5 ○•일 | 3 . € 2 . €i | :} | 2.6 | 2 • 3 | 7.5 | | 1.5 3.5 | ? • • |
| ≥ 10000 ≥ 9000 | • | | | , di | • | 2.3 | ે . ન <u>ે -</u> 'ન્ | | 7.0 | 2.50 | 2.0 2.0 | 2.0 | 7.0 | ^ | ?.° ?.° | |
| ≥ 8000 ≥ 7000 | 1.1 | 7 • d | *• <u>.</u> 5 | ₹ . 2. 4 . k | 4. | 4.4 | ंर, ≝ 4 • € | 1 • 2 4 • 1 ₁ | * • · · | 4 . 5 | 4.5 | 3.2 | 7.0.7 2.0 | 3.7 | 4.2 | |
| ≥ 6000 ≥ 5000 | | 4.7 | 4 S | 4.9 | 4.5 | 4. | 4. | 4.7 | 4 • 51 4 • 51 | 4 g 5 | 4 . 1 | 4.0 | 4.9 4.3 | 4 . P | 4.2 | • • : |
| ≥ 4500 ≥ 4000 | 101 | . • .d | بار و راز الحرور الإ | .1 | • 1 | 3.1 | 5.7 2.1 | 5 • 51 5 • 1 | 1.1 | 3.1 | | 3.1 | · · · · · · · · · · · · · · · · · · · | 5 • Sq 5 • 1 | 5 • • • E • 1 ; | |
| ≥ 3500 ≥ 3000 | 7 | 19.7 | 1 | 12.9 <u>2.56</u> | 1 . 6 | 12.9 | 13.0 | 18.9 | 17.0 23.0 | 23.7 | 12.5 | 12.0 25.0 | 1? 21? | 12.9 20.0 | _12.5 _10.0 | • |
| ≥ 2500 ≥ 2000 | • | 34.7 | 31.0 | 75.2 53.2 | यम . डा इ.स . ल | 75.0 | 35.8 54.5 | 75.8 54.5 | 35.6 | - 19 - 2 - 19 - 3 | 35.7 <u>24.5</u> | 35.4.5. | 77.a | ₹5.6 .54.6. | 35.8 24.5 | * 4 • 4 |
| ≥ 1800 ≥ 1500 | | - 14 • - 7 - 5 • 4 | 77.0 | 77.1 | 77. | 77.4 | 61.3 30.0 | (1.5 | 1. | <u> </u> | 51.3 42.5 | 61.7 87.0 | 2.3 | - 5 1. 3 . }⊍•}. | 61.3 62.7 | 63.3 |
| ≥ 1200 ≥ 1000 | • 1 | | 7 • 1 - 17 • 3 | 1.0 | 98.7 | 29.4 | 91.0 | -1 - 3 | 1.3 | 65.0 91.3 | | | 1.7 | 15•8 31•3 1•3• | 91.3 | 31.3 |
| ≥ 900 ≥ 800 | | 76.57 76.67 | 34.7 | 21.7 | 91.5 | 74.5 | 94.2 | 74.5 | S & S & S | 74.1 96.5 | 96.5 <u>76.5</u> | <u>୍ଦ୍ୟ •</u> ତ | 26 • 5 | 74 • 14 , 36 • €, | 04.5 55.5 | 34 * 2 |
| ≥ 700 ≥ 600 | | 7.1 | ्ष्य, च १८,द च्या | 71.0 | 94.2 | 95.5 15.5 | 97.4 | 07.7 | \$7.7 | | 97.7 | \$7.4 <u>\$7.4</u> | 7.7 | ? ?•4 . <u>?</u> ?• ? . | 97.4 | 97.7 |
| ≥ 500 ≥ 400 | • | 7.1 7.1 | 9 | 1.6 | 95.2 35.5 | 76.5 | 98.7 | 99.0 | 99.7 | 99.4 | 96.1 99.4 96.4 | 35.2 | ებ•# ეპ•# | ်နို•် မို•်မိုင် | 99.3 99.3 | 00.1 |
| ≥ 300 ≥ 200 | 16.5 7 | 77.1. 77.1. 77.1 | 35.5 | 91.6 \$1.6 | 95.5 95.5 | 7.1 | 98.7 | 99.7 | 39.7 | 11.7.7 | | 99.4. | | ، ۵۰ و <u>۲</u> | 49.4 133.1 | 39 1 <u>50</u> .y |
| ≥ 100 ≥ 0 | | 77.1 | 35.7 | 71.6 | 25.5 | 97.1 | 90.4 | 09.7 | - | : ⊃ J • Uli : | | 195.6 195.8 | | , | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|------------------|-----------------|--------------|----------------|-----------------|--------------|----------------|--------|-------------|--------------------|----------------|----------------------|----------------|---------------|--|---|-----------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ביו ≤ | ≥ 114 | ≥ 1 | ≥ 3. | ≥ % | ≥ % | ≥ 5/16 | ≥ '• | ≥ c |
| NO CEILING | 1.1 | 3. | 3.7 | • | | 7. | 7.7 | | 7. 7 | 7.7 | 7 . 2 | | | | 7 | |
| ≥ 20000 | <u> </u> | <u>ا • د</u> | <u> </u> | • 70 | 30- | | • 1 | | 2.4 | . • | | 10% | <u>. 5</u> | + | <u>} • </u> | 1 |
| ≥ 18000 | 1 . 1 | 7 • 7 | • • | ج ب | 4 • 7 | 4.3 | | 's as a" | * • *X | + • d | 4.7 | 4 • ? | ″ • ⊃ | | 4 • ? | ٠. |
| ≥ 16000 | . <u> 1 • 1</u> | 4.4 | | 1 • 5 | 4.7 | | 3.2 | 4 • ? | 4 | 400 | | 4 • 2 | | - tei | | |
| ≥ 14000 | . • 1 | + • 1 | 0 - 3 | • • • | 4 • .7 | 4 • 🗄 | | 4 • 2 | 1.0 | 4 🕶 🖰 | | 4 | ו? | 4 . | 2. | * • 1 |
| ≥ 12000 | 1.1 | 4 . | * • * 1 | 14 . 2 | 4 . 5 | 40 | | | 54 g e | 4 | 4 | ** # * | 4 . 1 | <u> 4.21.</u> | ئے وال | |
| ≥ 10000 | ± • *I | 1 | ১, ব | | 4 • G | | | | 4 • 51 | | 14 a ₹ | 4 • " | 4.5 | | 4.0 | · • 1 |
| ≥ 9000 | <u>:•</u> :4 | 4 | "• 7 | | C • 78 | | 4.7 | 4 . 0 | <u> </u> | <u> </u> | | <u> </u> | 4.5 | | | . 4.9 1 |
| ≥ 8000 | . 1 | | • 1 | K • F | | | | . • | C • 1 | 2.0 | | 5 • ↑ | | | T . * * | • |
| ≥ 7000 | ا ف | 7 • 1 | | 7 - 1 | 7.1 | 7.1 | 7.1 | <u> </u> | 7.1 | <u> </u> | 7.1 | • 1. | i | 7.1. | _ ! • 1. | |
| ≥ 6000 | • | | 7.1 | , | 7 • 1 | 7.1 | 7.1 | 7.1 | 7 • 1 | 7 • 1 | 7 • 1 | 7 - 1 | 7.1 | 7.1 | 7. 1 | 7 • 1 |
| ≥ 5000 | <u>.</u> | 7.1 | | 7 • 51 | 7,5 | 7. | 2.5 | | _ 7.5 | 7 • | | 7.3. | 7 . 5 | | _ ?·*. | · · · · · |
| ≥ 4500 | 3 • 4 | • 1 | 2 . 1 i | | 1 | | | • 1. | * • 1 ¹ | - 1 | | ~ • 1. | · 1 | 9 • J | ~ • 1 | • • |
| ≥ 4000 | | | | 16 | 3 • 4 | 9.1 | 9.4 | 7.4 | • " | 0 4 | | <u> </u> | خ فاشبيد | 3 . 4 | _ 9 • 4. | 1.4 |
| ≥ 3500 ≥ 3000 | 7 • \ 3 • □ | | | ીયકસ્ ટેડક4: | 15.6 22.9 | 16.5 | 15.6 | 10.5 | 1.45 | 72.4 | 37.4 | 10.00 55.00 | 1.46 | 16.6 | 36.4 | • t. |
| <u> </u> | | 74.7 | 3 4 | | 35.4 | | 3 = 4 | | 77.6 | 75 | 3 | 75.3 | | <u>- </u> | | • |
| ≥ 2500 ≥ 2000 | | 1 | 1 | 3.5 | | 5.5 | 58.5 | 5 | | | , r . r | 5 E . S | | * | | |
| } [—] | 1 | | | | 61.7 | | 6.3.7 | 13.7 | | 1.7 | - 2 1 . 7 | | 1.7 | | • | |
| ≥ 1800 ≥ 1500 | 12 | 67.3 | 71.4 | 79.3 | 75. | 75.3 | 76.3 | 75.3 | 76.7 | 7 | 74 7 | 7- 7 | 2/ 7 | 7. 7 | 76 7 | |
| ≥ 1200 | 15.7 | 7.3 | 7 . 2 | 13.8 | 5: (4 | | | | 3.4 | <u> </u> | - | . <u></u> | | | | |
| ≥ 1000 | 1. | 77.4 | 85.3 | 3 | 01.9 | | 3: . ~ | 3. ? | 4 7 | | 91.2 | 47.2 | 7.7 | 2.1 | 63.5 | 6 |
| ≥ 900 | 10.1 | 77.4 | | 7 | 13.5 | 3.1 | 98.9 | 4.2 | 710 | | 14.5 | 4 | - Te - C | au . | 34.5 | |
| ≥ 800 | | 75.4 | 37.0 | <pre>\$ 1</pre> | 75.1 | 5.3 | 95.0 | 97.1 | 77.1 | 37.1 | 57.1 | 27.1 | | 77.4 | 17,6 | 77.4 |
| ≥ 700 | 1 . | 7 | 27,7 | 23.2 | 35.5 | ^5.4 | 47.4. | 47.7 | .7.7 | 97.7 | | | 1 | 76.1 | 15 P | |
| ≥ 600 | 1 | 7:09 | 37.7 | 23.3 | 96 - 1 | ‴ 6. -3 | 07.7 | ○ • 1 | 7. | 5-1 | 26.1 | 50.1 | -i . ii | 14 F . W. | 5, B . B | [عان ا |
| ≥ 500 | 16.4 | 78.7 | 87. 7 | 07.5 | ુક, ઘ | 27.1 | 9 2.1 | . 4 | u . | 57 | 92.7 | 0:.7 | 3.5 | 7 C | , ¢ | г,. |
| ≥ 400 | 17. | 78.7 | 57.7 | 73.00 | 24 . 4 | i I | 49.1 | . 14 | φ ' • ti | 5 7 | 292.7 | 20.7 | 99. | 79. | 99." | a (🌉 |
| ≥ 300 | • 1 | 73.5 | 57.4 | | 96.4 | 7.1 | 75.3 | . 4 | · · 4 | 3 . 7 | C . 7 | 92.7 | ~ . | C.P. | us. | 1 3 . T |
| ≥ 200 | 17.7 | 7a•9 | 57 • N | 03.5 | 96.5 | 67.4 | 04.7 | | | 99 , 4 | 99.7 | 22.7 | ٠ <u>.٠</u> ٠ | <u> 105.61</u> | 1: 7. | <u> </u> |
| ≥ 100 | 1 | 70.0 | 87. | 93.5 | 36.0 | 7.4 | 99.7 | 7 G . 7 | 46.0 | 99.4 | 90.7 | 79.7 | 100.0 | 100.01 | 30.0 | 17 5 |
| ≥ 100 ≥ 0 | 12.01 | 73.9 | 67.7 | 23.5 | ા6 • લ | 97.4 | 98.7 | ာခ. | 10.7 | 77.4 | 22.7 | . 2 . 7 | 122.3 | 122,21 | <u> </u> | 100. |

| TOTAL NUMBER OF | CASSEVATIONS |
|-----------------|--------------|
| | |

CEILING VERSUS VISIBILITY

HOURS . S T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|-------------------|------------------|-------|-----------------|----------|---|----------|----------|---------------------------------------|-------------|---|------------|---------------|---------|------------------|-----------------|---------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ביו ≤ | ≥ 1% | ≥ 1 | ≥ 4. | ≥ 4 | ≥ % | ≥ 5-16 | ≥ . | ≥ 0 |
| NO CEILING | • • • | 3.0 | | • : | | .5 • C | 1.0 | | • | • | | 3.00 | • | • • • | 7 | • |
| ≥ 20000 | : • | ' | • " | | <u> </u> | ₹. | * *1 | <u>. •</u> | | <u>, , , , , , , , , , , , , , , , , , , </u> | ~ • | • | | | _ ?,7. | · . |
| ≥ 18000 | | 1 | • 1 | | 7.0 | 3.5 | I | ২ ু গু | 7 , 5 | | - | 7.3 | | 3 | _ ; | · · · · |
| ≥ 16000 | . • | 3 🗸 🐧 | 7.7 | . • | 1.0 | 5.6 | 7 . 0 | J + 13 | / • ^ · | . 5 • €. | • | 7 . · · | · · · · | • | | ٠. |
| | | 7. 7 | | 7.7 | 3.0 | • | 7. | • | | • | 7 | • | · | | | · - |
| ≥ 12000 | 1. | 4 1 | | * • 1 | 4 • d | 4 • 2 | 7 . O | ₹ • £ | | 44.6 | E . 3 | 3 | • T | | 4.0 | 4. |
| ≥ 10000 | | | | 4 . 2 | ~~~ | | 1. | 44 . | - | : | | 5 . T | ? | | | ٠, |
| ≥ 9000 | | 4.1 | 5. 2 | 1 . 2 | 9 • 8 | 4. 3 | از 🐧 | 4. | . ~ | * • · | 9.5 | 4.2 | | | 6. 2 | |
| ≥ 8000 | | | • | 1 . 67. | | ۷; | | 7 | | i. | 0. | 7 | | | | |
| ≥ 7000 | | / | | 1.3 | | 5. | 4.5 | 5.5 | | . • 3 | | 5 | | | · · · | |
| > 6000 | | | | 3.8 | | 7.00 | | - | | • | | | | | | |
| ≥ 5000 | | | | | | | ls • | • | | e • | | - L | | 5/ • * | 1. 10 | |
| -7 · · · } | 15 | 7. | | | | - | 7 | | | | | — <u> </u> | ;; | • – • | · ·· [/- | , |
| ≥ 4500 ≥ 4000 | , 1 | 7 | 1 ~ 7 | 1 | 1 . 7 | 1 7 7 | 37.7 | . 7 | 10.7 | | | . 7 | 7 | | 30.7 | ; |
| ∤ | ··· · | | | 77.1 | | 17. | 7.7 | 17. | | | 77 | - | | • -` | | i - |
| ≥ 3500 ≥ 3000 | 1 2 4 | | 2 -1 | | - 5 - 1 - | | 20.3 | | 15.5 | *11 | | 0.6 | • • | | • | |
| - † | | | 7 | | 4 | | 11.7 | - ;• | | | | - | | | • | ž. |
| ≥ 2500 ≥ 2000 | | | ! = ` ● -! > | | | 7 | 7 | , • | | 7 7 5 | | | • | | , , | , |
| - f | | | | | | | | | · • - • | | | · · | • | · - / • ; · | | , , |
| ≥ 1800 ≥ 1500 | | | | | 79.7 | <u> </u> | 6.4.3 | • • | | • • | | • | | | · 0 ↔ • 1 | |
| 2 ,300 | | | | 7 | | | · · | | | <u> </u> | • • | | | • • | | |
| ≥ 1200 | ٠., | | • 11 | • ** | . : * • • • • • • • • • • • • • • • • • • | • 1 | • • | | • 1 | • 1 | | • 1 | • • 1 | (• | (• 1 | |
| ≥ 1000 | • | | · | | | · | | | | | | | • ' | • • | • | |
| ≥ 900 | • • | | 4 | • 5 | 7 * . ~ | 5.0 | 25.7 | • | • | | *** | | · • ` | • | • | * |
| ≥ 800 | | . (| | · · | | • (| | • 4 | | 37.4 | | 77.4 | | . 37•4. | ? 7 • 4. | • |
| ≥ 700 | | | | , = 3 | 75.5 | 6 • 1 | 77.7 | · · · · · · · · · · · · · · · · · · · | • • | 10.0 | 44 . is | ₹ • 'i | | 1.4 | 3.3 | . • |
| ≥ 600 | • 1 | 7 | 2.1 | C 4 + 19 | | <u> </u> | <u> </u> | • • | • h | ?r • 7 | | <u> 7</u> | 1.7 | • | Y5 • 7. | |
| ≥ 500 | | 7 • 1 | 1 3 7 · 4 | ~ ~ · | 76 • 2 | 5 • 1 | 26.3 | 0.0 | 9 - • 4 | ^ y • 7° | 7 | C > - 7 | | | 19.7 | |
| ≥ 400 | • " | • | : 7,4 | - 5 | | tra i | 94.7 | ÷ ; , u. | <u> </u> | <u> - , , 7</u> | | . <u> 7.</u> | _ T → T | . 33 . 0. | -30 .7 . | ٠. ٠ |
| ≥ 300 | • 1 | 7 🚅 | 9.7 | | 96.1 | 15.3 | (C) | • 4 | | · 7 | 30.3 | 7/9 - 7 | 7 | -9.7 | 77.7 | 4 |
| ≥ 200 | - Tag 14 | 7:00 | : 7 . 4 | 13.5 | 26.62 | 26.5 | 20.7 | | 20.0 | 75.7 | 96.7 | G 2 , 7 | • 7 | 20.7 | 60.7 | ~ Ç. |
| ≥ 100 | . 0 | 7 | 39. | 5.5 | 34.1 | 1. | 90.7 | 3.7 | 1. | • | 1 m . ni | | 1000 | | 127.5 | ١٠٠, |
| ≥ 0 | | | | 7. | 26.3 | 5 · " | 70.0 | 10.7 | | • • • | Section of | 10.00 | 1 | | 200 201 | 100 |

| TOTAL | NUMBER | OF | OBSERVATIONS | |
|-------|--------|----|--------------|--|

GIPNANOCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | Vis | BILITY (ST | ATUTE MIL | .ES) | | | | | | |
|--------------------|--------------|-----------------------|--------------|----------------|--------|---------------|--------------|------------|---------------|--------|----------------|----------|-------------------|------------------------------------|-----------------------|-----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 11/3 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | 2 % | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING | 1. | 3.4 | 7.0 | 7.0 | 7.6 | ٠ . د | 3.5 | 2 | 3.5 | 3 | 7.5 | 3.0 | 7.5 | 3.4 | 3.6 | |
| ≥ 20000 | _ :• ` | 4 | ٠.٦ | 4.2 | 4.7 | 4 | 4.7 | h = 2 | 4.7 | 4.3 | 6.2 | 4.2 | 8 2 | 4.7 | 22 | 4.2 |
| ≥ 18000 ≥ 16000 | | 4.4 | 4. q | د پره د پره | 4.5 | 4.9 | * ' | 7 . | 4 • ° | - ! | 4 . T | 4.9 | 4.9 4.0 | 4.5 | 4,0° | 4 . 4 |
| ≥ 14000 | | 4. | 4.1 | 4.0 | | | 4.0 | | tt "r | | 4.5 | | | 4.0 | 4.7 | |
| ≥ 12000 | | 4. | и., я | 4.9 | | 4 . 7 | 4.4 | | 4.0 | | £ . 5 | | ! : | 4.0 | 4.5 | 4 . 2 |
| ≥ 10000 | • | 4. | ·• ' | 1 5 | 4.7 | 4.9 | 4,9 | | 4.0 | | | | | L | 4.7 | 4.9 |
| ≥ 9000 | <u>. • 3</u> | 4 . 1 | <u>د ,</u> 0 | 4.9 | 4.0 | 4.0 | и, с | u . ·4 | 4.5 | 4.0 | 4.7 | 4.7 | 4.0 | € • ∪ | 4.5 | |
| ≥ 8000 | | 4.1 | 4 • | 4.9 | 4.7 | 4 . 5 | 4.7 | 4.5 | u 😅 | 4.0 | 4 . 4 | 4.7 | 4.9 | 4.9 | ä, | e 🕞 |
| ≥ 7000 | - • • | 7.1 | - : . ~ | . 0 | 5.6 | 5.1 | 5.0 | ' • 3 | <u> </u> | 5.00 | S | 5.3 | | 5.8 | * • • | |
| ≥ 6000 | ٠,٠ | 5.3 | • : | | · • 1 | 5.2 | 6? | 6.2 | _ ^ • ? | € • 2 | 6.0 | 6.2 | | 6.2 | 6.2 | "。" |
| ≥ 5000 | 3 • .7 | | , • t | 3 4 4 | / · c | 6.3 | 4.1 | 6.6 | , , <i>, </i> | ti • ! | 4, , 2 | 6.8 | | € . 8 | <u> </u> | |
| ≥ 4500 | 7 | • |] • Ij | _ | | 2.1 | 1 - 1 | • 1 | · · 1 | | 2 • 3 | • 1 | | 5 • 1 | 5 - 1 | • i |
| ≥ 4000 | · · · | · | | 1 .4 | 1 , 4 | 10.4 | 1 7.4 | | 1 • 4 | 16.4 | 1 | 1 4 | | 10.4 | | 1 |
| ≥ 3500 > 3000 | • | l Inell Laboration | | | | 15.0 | 10.0 | | 15.0 | | 15.9 | | | 15.9 | 15.0 | 1 |
| }- " | | | 40.3 | 4 | | | 34.7 | 74.9 | 4 1 1 | 74.9 | 24.5 | | 24.9 | 24.9 | 24.0 | 74.4 |
| ≥ 2500 ≥ 2000 | 7.3 | | | الله ف | = u .u | 40.5 54.4 | 40.5 54.4 | - u - u | 4 . S | | -43.5 54.4 | 40.5 | 40 •5 ## •5 | 43.5 | 4 ° • ° | 6.6 |
| } | : • : | 5.7 | 24.1 | | | 10.0 | 50.0 | 7.7.7 | 50.0 | | 50.2 | 54.4 | | 59.7 | · - 20 - 4 | <u>्रेष • म</u> |
| ≥ 1800 ≥ 1500 | | | | | | 7.3 3 | 7: 3 | 7 = .5 | | , •• | 70.0 | 79.0 | 70 0 | 77.0 | 70 | 27 6 1 |
| }7 - | | | | | | | 67.0 | | | | N.F. | 2 - 1 | 47 0 | ?. <u>*</u> ,, , , , , , | . చేచే≛ు క్రీకే | + |
| ≥ 1200 ≥ 1000 | 11 4 | * 7 | 2.1 | 3 | | 1.6 | 51.0 | 22.2 | - 3 - | 57.2 | | | | 22.6 | 7 . 6 | ال د د |
| ≥ 900 | • | 75. | 12 | | 47.2 | | 63.7 | 73.5 | ं र € | | - | <u> </u> | | (7.0 | 3 0 | 93.9 |
| ≥ 800 | | 7 | 44.7 | | - '] | 04.5 | | 75.5 | 75.5 | | 35.8 | 95.8 | نو ۽ هٺ | 95.6 | 26.6 | 9 |
| ≥ 700 | • • • | 77.0 | | 22.t | 25.8 | 1.4 | | 7.7 | 97.7 | | 22.1 | | 5 . 1 | 75.1 | 56.1 | 7 |
| ≥ 600 | | { ~⁄•⋅} | H 7. 7 | 12.6 | 95.5 | 26.64 | 95.1 | 23.4 | 93.4 | 95.4 | 93.7 | 50.7 | 98.7 | 50.7 | 78.7 | G ; . 7 |
| ≥ 500 | : • 7 | 70.3 | 35 7 . 7 | 12.9 | 96 . 1 | 66.3 | 98.4 | . 7 | 98.7 | 98.7 | 99. | 99.7 | 20.13 | 79.0 | 25.1 | 09.0 |
| ≥ 400 | • | 79.9 | | | 96.1 | 96 · · | 93.4 | 95.7 | 0 2 . 7 | 7.50 | | 99.0 | ୨୧.ଗ | 59 | 50 m | ^ 3 <u></u> |
| ≥ 300 | ! • | 19.0 | - 1 | 25.3 | 26 • 3 | 6.5 | 93.7 | 49.0 | :9.5 | 26.3 | 99.4 | 99.4 | 99.4 | 99.4 | 90.4 | 99.4 |
| ≥ 200 | | 75.1 | | | | 6. | 93.7 | 2 9 | 22.0 | | ₹6.7 | 99.7 | | | 99.7 | 73.7 |
| ≥ 100 | 1 | | | e: • 3 | 35 • 1 | 6. | 95. • ? | 15.0 | ùo.⊓ | - 1 | 35.7 | | 100.0 | - | 1 | |
| ≥ 0 | 1.3 | 79.0 | \$7.7 | 47.4 | 95.1 | ୍ର ୫ ଚ | 93.7 | 79.0 | 90.0 | 09.4 | 30.7 | 99.7 | 0.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS _________

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | - | | VIS | IBILITY (ST. | ATUTE MIL | ES) | | | | | | |
|--|--|---|----------|---------|----------------|--------------|---------|--------------------|---------------|--------------|--------------|--------------|---------------|---------------------|------------------------------------|--------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING | | • | 7. | . • • | | | 7. | | 7.6 | ¥ • 1 | 7.00 | 3.6 | . 5 | 3.0 | 7.1. | 2.0 |
| ≥ 20000 | •- | | <u> </u> | | | ر و ڏ | | | 3 • € | 5 • 6 | 3.00 | 3 <u>.</u> 4 | 7.1 | 7. | <u>?5,</u> | <u> </u> |
| ≥ 18000 > 16000 | • 7 | 4 • 4 | 4 • 4 | 4 • 5 | 4 | 4 • ⊠ | | ارد به اه اخیان | 4 . 1 | 4 • 5 | 4.5 | 4 • 5 | | 1 | 4 . 5 | 4 • 1 |
| — - ₹ # + + | | | | | 4 • 5 | 4 | 4.5 | | 4 • 5 | 4 . 5 | | 4 . 5 | | 11 + 5+ | | |
| ≥ 14000 ≥ 12000 | • • | '• • 'i | | , | | 4 | | | • | 4 • 1 | 4.5 | 4.5 | | | 4 - 5 | |
| ———— · · · · · · · · · · · · · · · · · | · · · · | _ [i | | 4.5 | 4 6 | 4 . 4 | _ 5 • } | 7.5 | ا من <u>ن</u> | 4 . | 4 . 2 | 4 . 3 | 4 • 5 | . 4 . j. | 4 4 | |
| ≥ 10000 ≥ 9000 | • , | ائي مسا | - 1 | | | | 4 • 1 | 4 . S | 4.5 | 44 . ** | | 4 . 2 | l: • 3 | | 3 • 5 | H |
| | | - L | 4 4 | 4 • 3 | | 4 . 0 | 4 • 5 | ۶ ، ۶ | 4 • 0 | 9.0% | 4 . 0 | 4 . F | 10 0 5 | | 4 • 1 | |
| ≥ 8000 | • , | 7 p d | • ! | 7 • [{ | | 5.0 | | | 5 • H | | 5.0 | 5.0 | 5 • € | | | T • ! |
| ≥ 7000 | - | 7 • 1 | 7 . 1 | | | 7.1 | 7 . 1 | 7.1 | 7.1 | / • 1 | 7.1 | 7.1 | 7.1 | 7.1 | $-\frac{7}{2} \cdot \frac{1}{2}$. | <u> 1</u> |
| ≥ 6000 ≥ 5000 | • 4 | | • 4 | | 7.4 | 1 | 7 4 | 7.4 | 7 . 4 | _ | 7 - 4 | 7 • 4) | 7.4 | 7.4 | 7.4 | 7 |
| | • • | | | | 7 . 44 | | 3.4 | 7.4 | 7.4 | 7 . u | 7 . 4 | 7.4 | 7 . 4 | <u>7.4.</u> | ? . 4. | 1.4 |
| ≥ 4500 ≥ 4000 | • | | • | | - | 1 | | 3.4 | | 7 • • | | N • 9 | • ~ | | . • • | |
| | • | | | 3.7 | 7.7 | | 9.7 | 17.5 | - 7 | | 7.7 | 7 | <u> </u> | 9.7 | | |
| ≥ 3500 ≥ 3000 | 1.1 | 10.3 21.9 | 1 4 | 22.0 | -13•6 -22•6 | 13•t | 13.6 | 72.6 | 27.6 | 17.5 22.0 | 17.6 22.0 | 27.6 27.6 | 11.66 22.6 | 13.6 32.6 | 22.6 | 1 3 4 5 2 2 4 5 |
| ≥ 2500 | | 21, | 3 - 5 | 35.05 | | : | 35.5 | 36.5 | 7,0 | 36.5 | | 30.5 | 7 . | 30.5 | 36.36 | 3 |
| ≥ 2000 | 4 . 5 | 4 . 1 | i de j | -1.0 | - | 2.4 | 57.3 | 3 3 | 52.3 | 52.3 | | 52.3 | 30.3 | . 12.7 | 52.3 | |
| ≥ 1800 | 4.5 | 1. | 5.00 | = (, p | 7.1 | 7.1 | 57.1 | c 7.1 | | | 5.7.1 | 57.1 | 7.1 | 57.1 | 57.1 | 9.7 |
| ≥ 1500 | 4 | J - 1 | 7 | 74.2 | 75.2 | 75.5 | 75.5 | 75.5 | | 75.5 | 7 3 | 77.5 | 7: - | 7. | 75.5 | 7 |
| ≥ 1200 | | 69.7 | 7-01 | | 31.6 | | 32.0 | | | | 7.7 | | | | A \$ 6 | 7 |
| ≥ 1000 | 4 . 1 | 72.5 | 7 . 4 | 24.2 | F . F | 6.1 | 6.7.1 | | 300 • 1 | 336 | 35.1 | 39.1 | - 1 | 28 - 1 | 39.1 | 45.1 |
| ·· ≥ 900 | 4. | 77.00 | 3 . 4 | | 37.4 | 7.7 | 68.7 | 4.5.7. | | 27.7 | 84.7 | 20.7 | 3:.7 | PC 7 | 35.7 | 6 |
| ≥ 900 ≥ 800 | 4, | 73.8 | 61.0 | | l l | 5. | 92.3 | الد • لا ت | | 23.2 | 37.7 | 01.2 | 33.2 | 63.2 | 98.2 | 07. |
| | 4.1 | 74.6 | | | | 3.3 | 45.8 | | 74.0 | | 76. | 76.5 | 04.3 | 96 • ë | 96 | ٠, |
| ≥ 700 ≥ 600 | 4. | 74 | 96.2 | 3 | 92.9 | 3.6 | #E.1 | 7.4 | 97.41 | | 47.4 | 17.4 | 47.4 | 97.4 | 27.4 | 67.4 |
| ≥ 500 | <u>, </u> | 74.1 | 34.7 | 2.7 | 97.6 | 4.7 | 94.0 | | 3: 1 | | 9: 1 | 71.1 | 3 . 4 | 35 4 | 3E 4 | |
| ≥ 400 | u 💮 🖯 | 74.0 | 54. | 91.0 | 97.0 | 34.5 | 97.1 | . 7 | 99.7 | | | 93.7 | 35.0 | 99 | 20.0 | 00 |
| ≥ 300 | 4.7 | 74 . 3 | 31.0 | 21.1 | 23.2 | -4.5 | 27.1 | *# . 7 | 27.7 | | | | 99.5 | 99.5 | 90.0 | 90 |
| ≥ 200 | 4 . | 74.0 | 84.5 | 91.0 | 94.2 | 4 . 5 | 97.7 | 29.4 | 20.4 | 99.4 | | 99.4 | 59.7 | 39.7 | 99.7 | 99.7 |
| ≥ 100 | 4. | 74.5 | 84.5 | 51. | 94.2 | 74.3 | 97.7 | 09.4 | 99.4 | 99.4 | 60.4 | 1.9.4 | 100.0 | 1000 | | |
| ≥ 0 | 4 . 7 | 74 | da.F | 71.º' | 94.2 | 4. | 97.7 | 74.4 | 40.4 | 19.4 | 99.4 | 90.4 | | 176.0 | | |

TOTAL NUMBER OF OBSERVATIONS

STATION

CEILING VERSUS VISIBILITY

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 1% ! ≥ 1% ≥ 10 ه ≤ ≥ 5 ≥ 4 ≥ 3 ≥ 21/2 ≥ ¥ 3.2 7.3 3. 3.4 NO CEILING 3 . 7 3.3 3. . ≥ 20000 5 . : 3.5 4.1 4.1 4 . 1 4.1 4 . 1 4 . 1 4 . 1 4 . 1 4.1 ≥ 18000 3 . 1 - 1 4.1 4.1 ≥ 16000 4.1 2 - 1 4 . 1 4 . 1 4.1 - · 1 1. 4 . 1 u.i ≥ 14000 - i - · i 4 . 3 4 . 1 4.1 4 . 1, 4 . 1 2 . 1 ≥ 12000 4 -14 4.4 4 . 4 4 . 4 ... i . 4 4.4 4 . 4 4.4 4 . 4 4 . 4 ≥ 10000 4 . 14 4. 4. ≥ 8000 ≥ 7000 €.3 . . . ≥ 6000 ≥ 5000 5 1 ≥ 4500 ≥ 4000 G . 9 4.0 9.9 15.0 1 ... 15.5 15.2 15.2 15.2 [3.7 15.2 15.2 15.2 17.2 ≥ 3500 ≥ 3000 54.2 EU.7 1 75.5 36.5 6.6 35.5 36.5 ≥ 2500 14.0 54.0 54.1 54.1 · 4.1 54.2 ≥ 2000 54.2 ्य . पुरुष देव . दे 50.7 6 .1 10.1 60.2 ≥ 1800 11. 5.3 72.4 15.2 75.4 76.1 76.7 70.4 76.5 76.0 ≥ 1500 1 2.2 23.9 4.2 ≥ 1200 27.4 97.5 97.7 97.0 91.0 91.0 91.0 91.4 92.3 92.7 92.7 92.6 92.6 92.6 74.7 a1.8 37. d 87.2 21 . 5 21 . 1 ≥ 1000 12.2 74.4 87.4 84.2 97.4 41.4 92.3 92.7 92.7 87 22.4 75.4 64.6 87.9 82.9 92.0 73.7 94.6 95.4 95.6 9 2 . <u>></u> 96.4 76.6 95.7 96.7 95.7 45.4 T 51.6 74.4 25.4 95.6 97.0 07.5 37.0 97.6 97.6 97.5 97.7 71.6 94.3 77.3 92.4 97.8 58.3 96.3 78.5 98.6 98.6 98.6 98.6 98.9 26.4 85.7 55.5 76.4 57.6 79.7 15.5 95.7 3H.5 99.2 7 ~ • 9. . 4 56.5 24 · 8 99.2 99.2 ≥ 300 12.7 75.4 55.6 95.0 16.1 94.5 99.2 20.2 99.5 99.5 99.6 99.A 69.8 92.4 76.7 85.8 77.4 45.0 56.5 98.5 23.2 20. 7 59.6 99.7 39.7 49.9 29.91 38.016. 100 98.5 (9.7 29.7 25.6 99.7 59.700.0000.0100.0100. 75.9 76.3 75.9 85.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|------------------|------|--------------------|-----------------|------------------|----------|---------|-------|--------------|---------------|--------------|--------------|----------|-----------------|--------------|-------------|------------------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ 113 | ≥ 1% | ≥ 1 | ≥ 1, | ≥ % | ≥ 4 | ≥ 5/16 | ≥ 4 | ≥ 0 |
| NO CEILING | | • | 7 | . 3 | 5.1 | ₹. ₹ | 6.03 | 5.03 | 5.7 | 5.3 | 5.3 | 7 • 3 | 5.03 | 5.3 | ۲. ١ | |
| ≥ 20000 | | | ٠, ٦ | 5.3 | • 3 | €,• ₹ | 5.3 | 6 7 | 5.1 | 2 و ز | - 5 3 | 5.3 | | 5.3 | < | |
| ≥ 18000 | | • 1 | ° - ₹ | . 7 | 7 | 5.7 | 5.7 | 5.7 | 5 e T | 3 • 7 | 5.7 | 5 • 7 | 7 | 5.7 | . 7 | . 7 |
| ≥ 16000 | | | . 7 | 7 7 | | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.7 | 5.7 | 7 | 5.7 | <u> 5.7</u> | |
| ≥ 14000 | | 5 • 3 | ,, 1 | 3 | ' • 1 | 6.3 | 5.7 | • • | າ•ິ | | 4.7 | 6.J | 5.M | 6 6 5 | € • ⊓ | 5 - € |
| ≥ 12000 | | . 🚣 🤚 | ! - | | | | 5.0 | • 7 | | 6. | | 6.5 | | <u> </u> | <u>E</u> •1 | |
| ≥ 10000 | | * • 1 | ্ যু | (F • 7 | 2 • 2 | 5 • S | | 5 • ₹ | 6,7 | | 1 | E • 3 | € • * | | 6.3 | - |
| ≥ 9000 | | | • 3 | | | 5 . 7 | '•] | /· • ₹ | • • | | | b • 3 | | | <u>f.•3</u> | + |
| ≥ 8000 | | 7.5 | | • 23 | | 3 • 1 | 6.0 | | | , • | • • • | P . C | <i>P</i> • ↑ | | e • ? | - • . |
| ≥ 7000 | | - 5 - 7 | | | | 9.0 | · • 5 | ·• [. | | 5 • n | | 9.7 | 7• 2 | | 9.0 | ⁶ • . |
| ≥ 6000 | | `•, | • : | 7 - 4 | | | 2.3 | | ′ • <u> </u> | 9.0 | | 3.5 | 0.7 | | 3.0 | - |
| ≥ 5000 | | , | | (*. 1 | <u> </u> | 4 . | 7. | 3. î | <u></u> | 9 . r | | <u> </u> | | * | | |
| ≥ 4500 > 4000 | | 5 • <i>1</i> | 1 1 | | | 9. | 7. | | 3.7 | | | ٠, ° | ` (• <u>°</u> | 9. | | |
| - | | اِ • اِسْرِيةِ ا | 11. | 11.0 | | | 9. | 9.3 | 1 2 5 | 9.3 | 4 · 3 | 5.3 | ⊢ຸ∵ •∴ | • | _ • ; | • • • |
| ≥ 3500 ≥ 3000 | | 13.7 | • • | 14 - 7 | 140 | 14.3 | 11.1 | 11.3 | 11.5 | 11.7 | 11.5 | 11.3 | 11. | 110 | 110 | |
| | | • • • • • • | | - | | 19 | 15.3 | | | 14.3 | 10 | 14.3 | | 1.4 | 144 | , , , |
| ≥ 2500 ≥ 2000 | | ាង 🕹 🕽 | | | 27.7 | 77.7 | | | | , | | . 7 7 | 277 | 7.7 | 37 7 | |
| | | • 📆 | | | 7.7 | 72.7 | | | 32 - | 32.7 | | 3: 7 | , , , , , | ٠ ۲ ٠ ٠ | 72.7 | |
| ≥ 1800 ≥ 1500 | | | | 45.4 | 4 3 7 | 48.7 | | | 40.7 | 44.7 | HC 7 | 49.7 | м . 7 | 45. | . S . 7 | 7 |
| | | 3.7 | | - 3 - 3 | | | | | 50 | 5.5 | 65. | | | | | · · · |
| ≥ 1200 ≥ 1000 | | | • | | | 73.7 | | - 1 | | • | | 74. 7 | 7: 3 | 76.7 | 75.1 | 76.7 |
| ≥ 900 | | • | 6 . 7 | 7 C | | | | · | | | 75.7 | 7 . 7 | 7 : 7 | 7 . 7 | 70.7 | ٠, , |
| ≥ 800 | | 1.1 | 7.5.7 | 75.0 | | 78.7 | 79.3 | 27.0 | តក ំ ក | 80.7 | 80.7 | 80.7 | 7.5 | 57.7 | 37.7 | F . 7 |
| ≥ 700 | | | • • | 7 . 3 | | 1. | 32.3 | | F 3 . " | 33.7 | 23.7 | A7.7 | 7 | · F3.7 | 53.7 | , |
| ≥ 600 | | | 71.07 | 12.5 | 24.7 | 24.7 | 86.7 | 7.3 | 37.7 | 95.0 | ام ۾ جي | 85.0 | 37.0 | 99.5 | 88.0 | F 6 |
| ≥ 500 | | 57.7 | 73.7 | 87.3 | 7 . 7 | ್ಟ್ • 7 | 92.7 | 93.3 | 77.00 | 94.0 | 94.0 | 94.0 | , 44.C | 94.0 | 44.3 | 94. |
| ≥ 400 | | 57.7 | 7: • 7 | 87.7 | 91.7 | 51 ⋅ C | 93.3 | 4 . 3 | 54.3 | 95.3 | 95.3 | 95.3 | C 5 . 3 | 25.3 | 95.3 | Ç = . |
| ≥ 300 | | () •) | 70.5 | 88.7 | - | 62.) | | c6.7 | 66.7 | 97.0 | 97.3 | 97.3 | 97.1 | 97.5 | 97.3 | 97. |
| ≥ 200 | | 78 € | 70.0 | 87.0 | 97.3 | 22.3 | | 7.3 | 97.3 | | | 99.7 | | | 99. | 39.7 |
| ≥ 100 | | - 3 - 7 | 70.0 | ₹3.0 | 92.3 | 62.3 | 75.7 | | | | 99.3 | | 49.7 | 39.7 | 160.0 | 176.0 |
| ≥ 0 | | 1.70.0 | 79.5 | 89.0 | 22.3 | .2.3 | 95.7 | 57. 8 | 27.7 | 90.0 | 90.3 | 99.3 | 90.7 | 99.7 | 100.0 | han |

| OT 41 | MILMBER | ^ E | OBSERVATIONS | • | ٠ |
|-------|---------|------------|--------------|---|---|
| UIAL | NUMBER | Ur | CHREKAMIIOMS | | |

4 · · · <u>4 · </u>

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | ····· | · | VIS | IBILITY (ST | ATUTE MILI | ES) | | · | | | | |
|----------------|------------------|--------------------|--------|-------|--------|---------|-------|-------------|------------|-------|----------|-------|---------|---------|---------------|---------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 113 | ≥ 0. | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ '• | ≥ 0 |
| NO CEILING | • • • | 1.3 | 1.4 | 1 . 2 | 1.1 | 1.7 | 1.7 | 1.7 | 1. | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| ≥ 20000 | • 1 | 1.1 | 1 • 1 | 1 . 1 | 1.1 | 1.1 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| _ ≥ 18000 | 1.1 | 1. | 3.3 | i . 3 | 1.1 | 1 . 5 | 1.7 | 1.7 | 1. | 1 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| ≥ 16000 | * • 1 | 1.1 | : 1 | 1.3 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.07 | 1.7 | 1.7 | 1.7 | _1.7 | 1.7 | 1.7 |
| ≥ 14000 | • 1 | 1.1 | 1.3 | | 1.3 | 1. 7 | 1.7 | 1.7 | 1. | 1.7 | | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| ≥ 12000 | | 1.1 | 1.7 | 1.4 | 1.3 | 1.3 | _1. " | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| ≥ 10000 | : • 1 | 1. | | 1.7 | 1.3 | 1.3 | 1.7 | 1.7 | 7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| ≥ 9000 | 3 | 1.7 | 1.3 | 1.3 | 1.3 | 1.5 | _1.7 | 1.7 | 1. | 1.7 | | 1.7 | | 1.7 | 1.7 | 7 |
| ≥ 8000 | | - 1 | ~. + | 7.7 | 2.7 | 3.7 | 7.17 | : • m | 7.0 | 7. | * • · i) | 3 . 1 | 7.0 | 7. | 3.0 | |
| ≥ 7000 | . 1 | 4 . 4 | 4 . U | 4 . 4 | 11 . U | 4.4 | 4.7 | 4 . 7 | 4.7 | 4.7 | 4 . 7 | 4.7 | 4.7 | 4.7 | 4 . 7 | 4.7 |
| ≥ 6000 | - 1 | 4.4 | 4.7 | 4.7 | 4 . 7 | 4 . 7 | E . 1 | 5 • 17 | | | 7.03 | • | | 5.0 | 5 | |
| ≥ 5000 | . 1 | K . ! | | 1.7 | | 5 . 4 | 7.7 | 1.7 | (• ° | : • 7 | * . 7 | 5.07 | 3.7 | 5. | 5.7 | 5 . 7 |
| ≥ 4500 | . 1 | , , | | · 1 | . 4 | 5. | . , 7 | . 7 | | 5.7 | | 5.7 | . 7 | 5.7 | | |
| ≥ 4000 | | · • U | 7 | | N . W | 4 . 4 | £ . 7 | ~ • 7. | 9.47 | ٧.٠٧ | 5.7 | : • ? | 7 | 6.7 | 4.7 | 4.7 |
| ≥ 3500 | | | | 7.4 | 7.7 | 7 . 7 | ٥., | | | • 6 | | · · | | | | |
| > 3000 | | 11 | 11. | 11.4 | 11.7 | 11.7 | 37.7 | 17.0 | 1:.0 | 12. | 1 | 10.0 | 10.0 | 12. | 13.0 | 12. |
| ≥ 2500 | • | 1 | 1 1 | 1 | 15.4 | 15.4 | 15.7 | 15.7 | 1 7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 |
| ≥ 2000 | . : | . • 1 | 2 .4 | 25.0% | 26.1 | See 1. | 66.4 | 6.4 | 25.4 | 25.04 | 24.4 | 26.4 | 4 | 26.4 | 26.4 | 25.4 |
| ≥ 1800 | | • 1 | 3 .4 | 71.4 | 31.0 | 11.5 | 37.1 | -2.1 | 7 .1 | *2.1 | 37.1 | 72.1 | . 1 | 12.1 | 32.1 | 12.1 |
| ≥ 1500 | ح م | 43.5 | 47.5 | 6 2 | 47.8 | 7.02 | 60 g | 73.5 | 57.5 | 1 4 | 51.5 | f 5 | - r • % | 50.4 | 1000 | * ^ . |
| ≥ 1200 | • | 2.1 | 3/10/2 | 61.9 | 63.7 | 3.5 | 63.9 | 47.0 | 6. | 63.4 | 5 | 53.9 | 1.7 | 63.5 | 6 8 . 9 | 4 . C |
| ≥ 1000 | : A | 7 3 e 1 | 50.0 | 71.5 | 7:.7 | 74.0 | 75.3 | 75.6 | 7: .6. | 7000 | 75.10 | 7 4. | 7" . 6. | 75.4 | 75.5 | |
| ≥ 900 | ं . ₹ | 1. | 6 . 7 | 7 3 | 77.6 | 79. | 74.5 | 79.3 | 79.3 | 79.3 | 79.2 | 79.3 | 70.3 | 79.3 | 79.3 | 77.3 |
| ≥ 800 | 5.7 | 1.7.46 | 73.6 | 70.0 | 87.6 | - 3 . 3 | 34.0 | 14.3 | 44.3 | 54.€ | 54.6 | (4.5 | | 34 . 5. | 04.5 | 64.5 |
| ≥ 700 | ' - 5, ₹ | -5.7 | 7 . 3 | 41.4 | 35.5 | 6.5 | 37.5 | 7.3 | 37.3 | 97.0 | 87.6 | 47.0 | 37.€ | 27.5 | 57.5 | £7.0 |
| ≥ 600 | • * | 5003 | 71.6 | 34.3 | 57.4 | 8.6 | 9 . 3 | 111 . 3 | 35.3 | 33.5 | 90.6 | 24.6 | 97.€ | 21.06 | 46.6 | |
| > 500 | - च | 16.7 | 7: . 3 | 86. | 97.6 | 2. | 7.7.7 | , 7 . 7 | 3.7 | 34.2 | 94.3 | ^4.3 | 94.7 | 96.3 | -54 · 3 | ^4 • 3 |
| ≥ 500 ≥ 400 | | . €: a . 31 | 7 .4 | 26.5 | 01.4 | " . A | 94.3 | 24.7 | 54.7 | 95.3 | 95.3 | 95.3 | 91.3 | 35. | ⇒* • ₹ | 2 : . 3 |
| ≥ 300 | E, 1 | (7.7 | 77.3 | 57.3 | 32. | 3.3 | 9500 | 5.7 | 95.7 | 96.7 | 96.7 | | 97.3 | ¢7.3 | 97. | 97.3 |
| ≥ 200 | 4.0 | 67.7 | 79.5 | 17.6 | 97.3 | 3.7 | 46.3 | 97. | 7 . 17 | 93.5 | 98.7 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 100 | 7, 7 | 17.2 | 70.4 | 17.5 | | 3.7 | 96.3 | 7.0 | 27.1 | 98.3 | 99. | 79.0 | 99.7 | 39.7 | 100.0 | 175.e |
| 2 00 | E . # | 67.2 | 77.4 | 87.4 | 97.3 | 3.7 | 96.3 | 17.C | 97.7 | 98.3 | 39.7 | 99.3 | 97.7 | 99.7 | 102.0 | 100.0 |

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST. | ATUTE MIL | £\$) | | | | | | |
|-----------------------|------------------------|---------------|-------------|--------------|--------------|--------------|--------------|-------------|------------|--------------|------------|--------------|----------------------|--------------|--------------|-------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING ≥ 20000 | 1.1 | 2.7 | . ₹ | 7 | 1 | 2.5 | ?•3 | 2 • 3 | 7.0 | 2.3 | 2.0 2.3 | 2.0 2.3 | 2.5 | 2.: | 2.5 | |
| ≥ 18000 ≥ 16000 | 1.7 | 2.7 | 7.7 | 3 | 2. ₹ 2. ₹ | ₹• ₹ ₹• ₽ | 2.3 | 2.3 | 7.7 | 2.3 | ? • 3 | 2.3 | | 2.3 | 7.7 | |
| ≥ 14000 ≥ 12000 | 1.1 | 2.3 | 7.3 | 3 | 7 • T | 2.5 | 2.3 | 2.3 | 2.7 | 2.3 | 2.3 | 2.3 | 7.3 | | 7. š | •] |
| ≥ 10000 ≥ 9000 | 1.3 | Σ• 7 3•11 | 7. T | 3.5 | 2 . d | 2.7 | 3.7 | | 7.7 | 2.7 | 2.7 3.0 | | | 2.7 | 3.7 | |
| ≥ 8000 ≥ 7000 | 2.7 | 4 . 1 | 1.7 | 1 | 4.3 | 4 7 | 4.7 | 4.0 | * • ° | | 4.7 6.7 | 4.0 5.7 | 8 ° | 4 | 4.7 | 0.7 |
| ≥ 6000 ≥ 5000 | 7.1 | 7.1 | 7.7 | 3.7 | | 7. | 6.7 | 7.0 | 6.7 7.0 | | | | | | 7.0 | 7 • : |
| ≥ 4500 ≥ 4000 | 4 . 1 | 7.7 | 7.7 | 7.7 | 7.7 0.4 | 7.7 | 7.7 | | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | | 9.1 | 7.7 |
| ≥ 3500 ≥ 3000 | 4.3 | | 1 | 10.3 | 1 . 5 | 0.7 | 17.3 | 17.3 | 15.3 | 12.7 | 17.5 | | 17.3 | 12. | 12.5 | |
| ≥ 2500 ≥ 2000 | . 7 | 16.7 | 1 | 15.0 | 10.0 | 10.0 | 16.0 | 1: • 7 | 19.7 | 16.7 | 16.7 | 16.7 | 36.0 | 16.7 | 15.0 | 2 |
| ≥ 1800 ≥ 1500 | 1.1 | 49.3 | 34. T | 52.7 | 35.3 54.0 | 33.3 | 55.0 | 15.3 | 35.2 | 75.3 54.0 | 54.0 | 35.3 | 35.3 | 15.0 | 76.1 | 75.1 |
| ≥ 1200 ≥ 1000 | 13.3 | 26. | 5' • 7 | 63.0 | | | 76.3 | | 76.3 | 76.3 | 75.3 | 76.3 | 75.5 | 65.5 76.3 | 65.7 76.3 | 55. |
| ≥ 900 ≥ 800 | 3 3 3 7 3 5 % | 4.7 | 5°. 71.3 | 75.0 | | 79.7 | 87.3 64.3 | 33.3 | | | P . 3 | 80.3 64.3 | | 10.3 84.3 | 80.3 84.3 | 84. |
| ≥ 700 ≥ 600 | <u>इंक</u> ज | -6.7. -7.7 | 73.7 | 91.0 17.7 | BE . C | 25.7 48.7 | 57.7 90.3 | 9".7 | 77.7 | 67.7 | 91.7 | 58.2 | ត់ ដូច្ចាំ ខា • ព | 25. | 51.0 | \$7.F |
| ≥ 500 ≥ 400 | 1 1 2 3 7 1 1 2 3 7 | 55.7 | | | | 73.0 | | | | 74.5 | | 94.7 | 67,7 | 54.7 67.0 | 94.7 | 94.7 |
| ≥ 300 ≥ 200 | 13.7 | 6 A . 7 | 75.7 | 86.3 86.3 | 92.3 | 3.3 | 96.7 | 77.3 | 97.3 | | | 94.3 | 92.7 | 98.3 58.7 | 98.3 | 97. |
| ≥ 100 ≥ 0 | 13.7 | | | | 92.3 | 3.3 | 96.3 | 7.7 | 67.7 | 98.3 | 99.1 | | 99.3 | | 0.00 | |

| TOTAL | MUMBER | OF | CRSSRVA | TIONS |
|-------|--------|----|---------|-------|

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST. | ATUTE MIL | ES) | | | | | | |
|-----------------------|--------------------|----------------------|--------------------------------------|-------------------|-------------------|--------------------|--------------------|-------------|--------------|--------------|--------------|-------------------|------------|------------------------|------------|--------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ 19 | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | 104 | 3. | 7 . 7 | 7.4 | 7,7 | 3 | 3.5 | . n | 7.5 | 3.0 | • • • | 3.7 | 3.0 | 3. | 3.2 | 7. |
| ≥ 18000 ≥ 16000 | - 10- | 4.7 | - - 4 • [] | | 7.7 7.7 4.8 | 4.1 | 2.0 t | 4.0 4.0 | 4.7 | 3 1 1 | 4.0 | 7.5 4.5 7.0 | 4.0 4.0 | 4.5 | _ 3±2, | - 2 e |
| ≥ 14000 ≥ 12000 | | 4.7 | 4 . (.) | | 4 . 7 | 4. 1 | 4.0 | 4 . 3 | 4 0 1 | 4 . 1 | | 4.1 | u ": | 4 . C | 4.7 | <u> </u> |
| ≥ 10000 ≥ 9000 | 7.1 | 4 6 1 | | 9.7 | 4.7 | 4.7 | 4 . 7 | 4.7 | | 4.7 | 1 | 4.7 | 4.7 | <u>49.</u> 7 | 4.7 | 4 . 7 |
| ≥ 8000 ≥ 7000 | - 1 | <u>4.7</u> ∂.u | 4.7 7.00 | 5.3 | 7.1 | 5.7 | 4.7 5.7 | 5.0 | 4.7 | 30. | ٠.; | | 4.7 | 4.7. | 7 . | _ 4_ 7 |
| ≥ 6000 ≥ 5000 | 7.7 | 6.7 | | . 3 | 6.3 | 6.3 | | 3 3 | 5.3 | | 6.3 | 5 . 3 | 4.3 | 6.3 | 6.3 | 0 . 3 |
| ≥ 4500 ≥ 4000 | | 7.3 | - 7.1 - 7.1 | 7.0 7.3 7.3 | 7.3 | 7.3 | | 7 • C | 7.7 | | | | 7.0 | - 1 | 7.3 | 7.5 |
| ≥ 3500 ≥ 3000 | - 1 - 1 | - 1.2 d 0 0 7 | | | 7.3 | 7.3 8.7 12.0 | 7.3 8.7 12.0 | 7.3 9.7 | 3.7 | 7 · 3 | 7.7 | | 7.3 6.7 | 7.3 8.7 | 7.3 8.7 | 3.7 3.7 |
| ≥ 2500 ≥ 2000 | 7 | 15.3 | 33.7 | 16.3 | 34.0 | 18.3 | 12.3 | 19.3 | 13.7 | 18.3 | 18.3 | 1 . 3 | 1 . 3 | 13.3 | 19.3 | 15.2 |
| ≥ 1800 ≥ 1500 | 7 | 40.0 | 41.5 | 11.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.7 | 41.7 54.0 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| ≥ 1200 ≥ 1000 | 17.1 | 32.7 | 67.7 | 71.5 | | 72.3 85.3 | 72.7 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 | 77.0 | 73 | 73. | 73 |
| ≥ 900 > 600 | 7.7 | 72.7 | 73.7 | | 86. | 67.7 | 38.0 91.0 | 48.7 | 93. | F8.3 | 85.3 91.3 | 25.00. 25.03. | 2 3 | 6A.3 | 38.3 | 83.3 61.3 |
| ≥ 700 ≥ 600 | ्रेट ्रे ने | 76.8 | | 98.7 | 91. | 22.5 | 93.3 | 27.0 | 34.1 | 93.7 | 93.7 | 93.7 | 23.7 | 93.7 | 93.7 | 73.7 |
| ≥ 500 ≥ 400 | 10.3 | 76.7 | 3 ? | 91.7 | - 1 | 5.7 96.0 1.0 | 77.0 | | 76.3 97.7 | 98. | 90.0 | 97,0 98.3 | 65.0 | 97. | 98.0 | 97.0 |
| ≥ 300 ≥ 200 | 13.7 | 76.7 76.7 76.7 | A 7. 7 | 92.0 92.0 | 04.7 | 77.7 | 94.3 | 99.7 | 94.7 | 99.3 | 99.3 | 99.3 | , | - 1 | 99.3 | 99.3 99.3 |
| ≥ 100 ≥ 0 | 15.7 | 76.7 | 93.3 | 92.0 | 94.7 | 97.0 97.0 | 99.3 | 72.7 | | 100.5 | 100.0 | 100.0 | 100.3 | 99.7 100.0 100.0 | | 05.0 |

TOTAL NUMBER OF OBSERVATIONS 375

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|-----------------------|------------------------|-------------------------------|------------|--------------|---------------|------------|-------------|--------------|----------------|--------------|--------------------|----------------|------------|------------------------|------------------|-----------------|
| (PEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/8 | ≥ 2 | ≥ 115 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ '• | ≥ 0 |
| NO CEILING ≥ 20000 | | 5.7 | * • O | - " | 7 | 5.0 5.0 | 5.∎0 5.0 | | | [• [| د. ا الاستار ال | 5 . 5 5 . 7 | ٠,٢ | 1 | | • |
| > 18000 | <u>→ ₹</u> | 6 . 7 | 7 | 6.7 | 7.7 | 5.7 | | | 5 . 7 | 5 • U | , , , | 6.7 | . 7 | 1: -7 | | |
| ≥ 16000 | | e . 7 | | • • 7 | 1.7 | 6.7 | | F • 7 | 6.7 | 5.7 | N.7 | 4.7 | . 7 | | 4.7 | • 1 |
| ≥ 14000 ≥ 12000 | , Y | 10 a 7 10 a 7 | 5.7 5.7 | 1 . 7 | . 7 | 6.7 6.7 | 6.7 6.7 | , | 5 • 7 (• 7 | 7 | 6.7 | 5 • 7 | 5.7 | 6.07 | 6.7 6.7 | 2 . ? |
| ≥ 10000 | - | 7. | 7.7 | 7.7 | 7.5 | 7.3 | 7. | 7.0 | 7.0 | 7.3 | 7. | 7 | 7.0 | · - 5 • 7 • | • • 7 | ,•? |
| ≥ 9000 | · | 1.1 | 7.0 | *• () | 7.7 | 7.0 | 7.0 | 7.0 | 7.00 | 7. | 7.0 | 7, | 7.5 | . 7.e | 7 | • . |
| ≥ 8000 ≥ 7000 | 5 . 3 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 5.7 | 7.7 | 7.7 | 7.7 | 9.7 | 7 • 7 |
| ≥ 6000 | 5 • 3 | 7.7 | | | 7.7 | 9.7 | 7.7 | 7.7 | \$ 7 | 3 . 7 | 0.7 | | 7.7 | | 6 7 | 7 |
| ≥ 5000 | | 1: 7 | 1 . 7 | 1 . 7 | 1 . 7 | 13.7 | 10.7 | 10.7 | 15.7 | 10.7 | 10.7 | 17.7 | 17.7 | . <u>10.</u> 7. | 10.7. | 1 |
| ≥ 4500 ≥ 4000 | \$ • 7 E • 7 | 11.3 | 11.3 | 11.5 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.0 | 11.7 | 11.7 | 11.7 | 11.7 |
| ≥ 3500 | 7.1 | 13.3 | | 13.3 | 13.7 | 13.7 | | 13.7 | | 13.7 | 17.7 | 13.7 | 1 | 17.7 | 17.7 | 17.7 |
| ≥ 3000 | 1 . | 14.7 | 17.7 | 18.7 27.7 | 10.0 | | 17.7 | | | 19. | 10.7 | 17. | | 1.9. | 1000 | 1 3 |
| ≥ 2500 ≥ 2000 | | 7.0 | | | 29.0 | | | 03.0 45.7 | 25.07 | 25.0 | 28.) 40.7 | | 4 . 7 | 40.7 | 38 • 3 •0 • 7 | 4 7 |
| ≥ 1800 | | la la 🔒 | 47.7 | 4: t . C | 44.3 | | 44.3 | | 46.7 | 46.03 | 46.3 | 44.3 | 4/3 | 46 T | 46.3 | 46.3 |
| ≥ 1500 | | 74.3 | 71.7 | 73.0 | 74.7 | 74.7 | 74.7 | <u></u> | 75.0 | 75.0 | 75.7 | 75.0 | 71.0 | 75 • <u>2</u> . | 75 | 75.1 |
| ≥ 1200 ≥ 1000 | | 50.5 | 83.5 | - 1 | 91.7) 97.3 | | 91.3 | 92.7 | 91.7 | 82.7 82.0 | 92.7 92.5 | 82.7 (52.5) | 97.6 | 92.0 | 23.0 | 92.0 |
| ≥ 900 | . ₹. न | -1. | 4: •7 | | 92.5 | | ¢3.^ | 03.3 | 22.3 | 34." | 54.0 | 04 • D | | 94.6 | 24. | 44. |
| ≥ 800 | 7.0 | $\frac{1 \cdot 7}{1 \cdot 7}$ | 87.7 | | 93.3 | 95.3 | 25.7 | 94.7 | 54.7 06.7 | 95.3 | 36.7 | 95.3 | <u> 95</u> | . <u>55 • 3</u> . | 25 . 3, | 35.4 |
| ≥ 700 ≥ 600 | 2 | - 2 • C | 84 n | 92.7 | 75.3 | 6.0 | i | ^6 • 7 | 00.7 | 97.3 | 97.3 | C 7 3 | 27.3 | 90.1 | 97.5 | 77. |
| ≥ 500 | . 2 . 7 | . 2 . 7 | 85.7 | 93.3 | 96.0 | _ | _ | 98.0 | 5 A . T | 78.7 | | 98.7 | 50.7 | 08.7 | 9 A . 7 | 36.7 |
| ≥ 400 | 2. | 12.7 | 83.7 | 73.3 | 95.0 | 97.6 | | 59.7 | 08.7 | 79.3 | 99.3 | 99.3 | | 29.3 | 99.3 | 99.3 |
| ≥ 300 ≥ 200 | 12. | 2.7 | 99.7 | 73.3 | 96.0 | 7.1 | | 59.7 | 1 | 103.0 | | | . , • • ; | 1 23 . ch | 102.0 | 17.00 150.cl |
| ≥ 100 ≥ 0 | .2.7 | 2.7 | 83.7 | -3.3 | 36. | 7.0 | 98.3 | 00.3 | 19.7 | 100.0 | 100.0 | | | 100.ប | - 1 | |
| ≥ 0 | 14.7 | 2.7 | 80.7 | 77.3 | 45 | 7.0 | 90. | 19.3 | ¥9.7 | ار و زرا | 190.0 | 190.0 | 100.0 | LOC • Ol | 00.0 | <u> </u> |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT A HELPIZE NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | · | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|---------------------------|---------------------------------------|---------|---------------|-----------------------|----------------|--------------|--------------------|----------------------|------------------|-----------------------|--------------|--------------|-----------------------------|--------------|----------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ ; | ≥ 2% | ≥ 2 | ≥ 1% | ≥ 1. | ≥ 1 | ≥ 3, | ≥ 4 | ≥ % | ≥ 5:16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | 7 • · · | 1.1 | • 3 | • | . n | • 1 | | . • . 1 | | ن و ر ت و ر | 7.0 | 5 . 3 | | 5 . 3 | | |
| ≥ 18000 ≥ 16000 | • | 7 • 1 | *** | 7.0 | 7.7 | 7 | 7. | 7.5 | 7. | 7 7 . ! | 7.0 | 7.0 7.0 | 7.7 | | 7,0 | 7 2 |
| ≥ 14000 ≥ 12000 | • • 1 | 7.1 | 7.7 | 7.0 7.0 | 7 • *. | 7. | 7. | 7.0 | 7.0 | 7. | 7.0 | 7.5 7.5 | 7. 7. | ". | 7. | 7 • ; |
| ≥ 10000 ≥ 9000 | 4 . T | P.7 | . 7 | | | ₽ ± 1 ₽ ± 3 | 9. ″ (. ₹ | ا . • اشعت ـــ | • • | • | 0.1 | 4. 3 | E . 7 | | 8.7 | |
| ≥ 8000 ≥ 7000 | . 1 | 9.4 11.47 | 1 . 7 | 9.7 | ្តិ.ព <u>11.</u> ព | 9.~ 11.5 | 11. | 11.0 | 11.5 | 11.5 | ?.: <u>.11.3</u> , | 9.0 | 5.6 11.0 | 9.0 11 | 11. | 11. |
| ≥ 6000 ≥ 5000 | | 11. | 11.7 | 11.0 17.0 | | | 11.3 | 11.3 | 11.5 | 11.7 | 11.3 | 11.3 | 11.3 12.3 | 11.1 . <u>12.2</u> . | 11.3 | 11.7 12.61 |
| ≥ 4500 ≥ 4000 | 7 • 1 | 12.7 <u>14.3</u> | 13.7 | | | 13. | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 13.7 | 14.7 | 13.0; <u>14.7</u> | 13.7 | 14.7 |
| ≥ 3500 ≥ 3000 | 1. | 10 • 11 ≪ • 27 ±± | 21.57 | 217. | 21 • € 21 • € | 71.5 | 21.0 | 1 . 3 | 25.5 | 16.3 | 16.3 -1.3 | 15.3 21.0 | 16.7 | 16.3 - <u>1</u> 0.5 | 21.1 | 16.3 |
| ≥ 2500 ≥ 2000 | | . 7. 7 | 44.7 | 73.8 45.3 | 45.7 | 45.7 | 45, | 45.7 | 23.7 | 28 • 3 45 • 7 | 29.3 | 45.7 | 45.7 | 20.5 .45.7. | 44.7 | 45.7 |
| ≥ 1800 ≥ 1500 | | 7.4 | 77.1 | 71.3 | 71.7 | 12.3 | 52.7 72.0 | 72.3 | 77.3 | 52.2 72.2 | 72.3 | 52.3 72.3 | 77.7 | . 73 • 7 | 7.3 | 7 |
| ≥ 1000 ≥ 1000 | 17 - 7 | 75. | 34.3 | 79.7 96.00 | 23.7 | 76.7 79.7 | 90.2 | 11.3 <u>2.3</u> | 37.3 | \$1.3 \$8.3 | 91.3 | 93.3 93.3 | cn.3 | . 1 • 3 . 7 <u>• 3</u> • | 51.5 50.3 | |
| ≥ 900 ≥ 800 | 고 관 . 개 그 . 기 구 . 개 | · (• 7 | H 4 . " | 92.7 | 44.7 | 11.0 04.3 | 91.7 | 92.00 95.3 | 92.7 95.7 56.7 | | 95.3 | 95.5 | | . <u></u> | 95 | |
| ≥ 700 ≥ 600 | | :0•7 | 90.3 | 94.3 | 95.7 | 76.7 76.7 | 97.3 | 96.7 | 56.7 38.7 | 78. | 68.3 | 96.7 | 43.N | | ₹8. | 2 |
| ≥ 500 ≥ 400 | 7 | ** ** * * * * * * * * * * * * * * * * | 80.3 | 95.0 95.0 | 96.7 | 7.7 | | 00.3 | 99.3 | 99.7 99.7 | 99.7 | 99.7 | | | 99.7 | 38.7 29.7 20.7 |
| ≥ 300 ≥ 200 | 2.7 | 27.7 | 87.7 | 95.3 | 97.0 | 18 · 5 | 99.0 | 39.7 -9.7 | 99.7 | រកប.០ | 160.0 | 100.0 | <u> </u> | 1 00 01 100 01 | <u>00.0</u> | <u> </u> |
| ≥ 100 ≥ 0 | | 8 (7 | | | | (0.1 | 99.0 | | | | | | | 30.00 | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | - |
|---------------------|---|--------|----------------|--------------|----------------------|-----------|-------------|-----------------|--------------------|---------------------------------------|------------------|-------------------|---------------------|---|----------------------|--------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/9 | ≥ 2 | ≥ 114 | ≥ 1% | ≥ 1 | ≥ ъ | ≥ 4 | ≥ '7 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING | ₹, ₹ | 5.7 | | 2 7 | | K . P | Ξ., 7 | . 7 | | 5.7 | 7 | r . 7 | 7.07 | 5.7 | 3 • 7 | ٠.٦ |
| ≥ 20000 | • | > ₹ | • 7. | | 5.7 | <u> </u> | 5,7 | 7 | _ 5.7 | 5 . 7 | r • ? | <u> </u> | | <u> </u> | F • 7. | . • 7 |
| ≥ 18000 | • • 1 | 7.1 | 7. | 7.4 | 7 • 3 | 7.3 | 7. | 7. 1 | 7. | 7 • 6 | 7 . '' | 7.3 | 7.0 | 7. | 7.7 | • |
| ≥ 16000 | | • | . • * . | • 14 | 7.4 | 7.4 | 7.4 | 7,4 | 7.6 | 7 = 4 | 7.4. | 7.4 | - 4 | . 7.3. | " • 1. | 7 • 4 |
| ≥ 14000 | i . i, | 7 • | 2 . 2 | 7 . 4 | 7 • 4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | <i>i</i> • • | 7.4 | 4 | 7 | 7 . 4 | 7 . 6 |
| ≥ 12000 | •] | 1 • 1. | 7 • 7 | 7 • 7 | 7.7 | 7.7 | 7. | 7.7 | _ 7 • 7 | 7.7 | 7,7 . | 7.7 | '7 | | 7.7. | 7.5 |
| ≥ 10000 | •• ` | 9.9 | • • *1 | | • 4 | 3 • 4 | E . 4 | . • 41 | . 4 | • • • • • • • • • • • • • • • • • • • | • • | c • 4 | | A . 4 | ٠.4 | • '* |
| ≥ 9000 | ٠, | 2.5 | • • • • • | <u>• 4</u> , | · • · · | £ • 4 | - 3 • 4 | <u> </u> | 5 • 4 | 5 • 4 | <u> </u> | <u>i, 9 4 .</u> | | . <u>f</u> . | ~ *•*. | • • • |
| ≥ 8000 ≥ 7000 | | • | | | | 9 - 4 | 9.6 19.6 | 9.4 | | | · · · · · · · | 5.4 | 4 | | | . • • |
| ├- ⁻ | | | | | 1 - 4 | 10.4 | 11.4 | 10.0 | 10.7 | 10.4 | 17.7 | 10.4 | | • - - • | . 4 | 1 2 |
| ≥ 6000 ≥ 5000 | | 7 | 11 | 11 | 11.5 | 11. | 11. | 11.0 | 11. | 11. | 11.0 | 11.0 | 11.5 | 3 / • T | 7 7 | . i. • • . j. j |
| ├- ⁻ | į | | 7 | 1 7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | | | • | 11.7 | |
| ≥ 4500 ≥ 4000 | | | 1 | | 1 | 11. | 1 | 13.1 | • | 1 | | 1.5 | | | 1 1 | |
| ≥ 3500 | , | | 1 4 | 14.7 | 14.7 | 14.7 | 14.7 | | | 14.7 | 14.7 | 14.7 | 16.7 | 14. | 14.7 | 14. |
| > 3000 | - 4 - T | 14.7 | 1 . 1 | 19.1 | 19.1 | 13.1 | 17.1 | 1,.1 | 1 . 1 | 17.4 | 19.4 | 19.4 | 19.4 | 14.4 | 13.4 | 1. |
| ≥ 100 | 11. | 4. | 3 - 4 | 7: 4 | 23.4 | 25.4 | 25.4 | :5.4 | 23.4 | ?5. | 75,0 | 25.4 | 15 T . 18 | 75.0 | ្តិទ _ុ នៈ | ٠., |
| ≥ . :0 | 1 | 30.5 | 41.1 | 62.8 | 41.8 | 1. | 41.0 | 41.8 | 41.7 | 4 7 . 1 | 4. 1 | 42.1 | 47.1 | 47.1 | 42.1 | 4 1 |
| ≥ 1800 | 17.1 | | 4 . 5 | 40,5 | 4 . | 49 | 40. | 15 1 5 | 40.5 | 49.7 | 45. | 49.3 | ្ត្រី 3 € 3 | ع و قالما | 49.6 | 4 |
| ≥ 1500 | 13.7 | | 6 ? | 71.2 | 71.6 | 71.6 | 11.6 | 1.00 | 7100 | 71.7 | 71.5 | 71.3 | 71.9 | . 71. | 71. | 1. |
| ≥ 1200 | • • | 19.5 | 77.5 | 3.5 • 0. | 73.6 | 79.6 | 79.5 | 15.6 | 77.6 | 79.5 | 70.0 | 7:.0 | 75.0 | 70.0 | 79.0 | 74.3 |
| ≥ 1000 | | 7.7 | t. • | 4 . f. | <u> 17.1.</u> | 7,3 | <u> </u> | . <u>* 7.6.</u> | 77.E | <u> </u> | <u>85</u> • | <u> </u> | . ₹ ³ •? | ي و ع | ા ઉ•ે. | C+- • ", |
| ≥ 900 | . "• " | 74 . 4 | 81.5 | | 30. | (3.1 | 85.3 | 89.E | * 46 | 9. | 7 ° , " | ាព្∙ព | 3 | 9.7 | 30.1 | |
| ≥ 800 | 17.7 | 7. | | <u> </u> | , , , , , | 2.0 | 57. | . ` | | 93. | <u> </u> | <u>; 3, 3,</u> | . 47 <u>.</u> 3 | . 23· . | .33€°. | • |
| ≥ 700 | 17. | 7€ • • | 344 | 3. • 5, | 91 • 0 | 13.3 | | 4.7 | | | 96.0 | ીક• <u>†</u> | | 15. | 06. | · . • . |
| ≥ 600 | | | <u>, u , r</u> | 1000 | 53.7 | 4. | 95.3 | 15.0 | *5•^ | 930 | 900 | <u>. 15 e 5</u> , | . 🚆 🛊 🤾 | . 96.2. | <u> </u> | 21. |
| ≥ 500 > 400 | | 76.9 | | | - 1 | 4 • 3 | | ⇒7.3 | 7 1 | | 97.7 | 97.7 | 97.7 | 47.7 | 97.7 | 97.7 |
| } ·· [™] } | | 76.7 | | 1 . 5 | | | 27.7 | C8.7 | | 09.3 | | 79.3 | | . 1. • 4., | 77. | 77 8 9 7, |
| ≥ 300 ≥ 300 | • | | 84.5 | 1.5 | - 1 | °5 | | 98.7 | 29.0 | | | | 7747 | ሃል ፤ መጣጠ የነፃ | 99.7 100 01 | |
| | 17.7 | 70.7 | 3100 | 71.6 | 34.7 | 5.0 | 97.7 | 98.7 | 99.0 | 94. | | 29.3 | 07.5 | MID CORP. MID CORP. | 190.0 | بداد خيا ا |
| ≥ 100 ≥ 0 | 17 | | | | | 5 • ii | 37.7 | | 79.7 | | 39.3 | | | 100.50 | , | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | ". | | | | Vis | IBILITY (ST | ATUTE MIL | ES) | | | | - | | |
|--------------------|---------------------------------------|----------|----------|-----------------|----------------|--------------------|--|---------------|---|--------------|--------------|------------|------------------|----------------|------------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 173 | ≥ 1% | ≥ 1 | ٤ نه | ≥ 4, | ≥ '3 | ≥ 5 16 | ≥ '. | ≥ 0 |
| NO CEILING | • | .* . 4 | • 3 | • ; | | 7.7 | 7. | . 7 | ., | | • ; | , | 7 | 2. | ! | • 7 |
| ≥ 20000 | <u>.</u> | | <u></u> | | | يتعقال | | بتعت | | · | | 203 | • | 2 | . 2.2. | |
| ≥ 18000 ≥ 16000 | . • | | | 7.3 | | 3 • 3 | | 3 . 5 | . • ? | > - <u>-</u> | * • * | 3. ₹ | , , 7 | ₹ | ₹ | • ; |
| · | . 👯 | | | · · · · · · · · | | _ 3 • ? | <u> </u> | | | | | | 7 | •] | <u> </u> | • |
| ≥ 14000 ≥ 12000 | • , | | • - | • | | 3.7 | | . 7 | | 5 • 4 | . 7 | 7.7 | • ' | , • · | 5 • 7 | 3 • 7 |
| ⊢ " | | | : ± | • | — <u>; • ;</u> | <u> </u> | | [`] | | | ~- - | | · = : = : | | <u></u> | • |
| ≥ 10000 ≥ 9000 | • • | | • | | | • | , , | • | • | • | • | • | • • | • | • | • |
| ≥ 8000 | | | | | | | | | | | | | | | • • • | • • |
| ≥ 7000 | , , | 7.7 | | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | |
| ≥ 6000 | ٠, ٠ | 4 | • | • | | | • | • - | 1. | • | • - | 1,7 | | • | - | |
| ≥ 5000 | • | (• ¥ | • | ي و د | _ • . | 3.5 | | ٠., | • • • • | 5 . E | | · 3 | | | | •] |
| ≥ 4500 | ٠. | • • 1 | • | | • | 7 | 41. | • | · • · · · · · · · · · · · · · · · · · · | • " | • " | 1.0 | 6.0 | • | 3. | |
| ≥ 4000 | •• | | 1 • 7. | 7 | 1 . 7 | 11.7 | 1 7.7 | 1 . 7 | 1'. | 1 | 17.7 | 17. | 1. 7 | . <u>15.7.</u> | 17.7. | |
| ≥ 3500 | • 1 | 1 . 3 | 1 . | 1 | 1 | 12. | 1 - 7 | 17. | 1 . 3 | • 7 | 17. | 1 | 11.3 | 1. • . | 7.42 | 1 • 1 |
| ≥ 3000 | • 1 | • | | 1 • 7. | 1 | 15. | 15.7 | 1 2 . 7. | | <u> </u> | 15. | 1. | | · | 15. | |
| ≥ 2500 ≥ 2000 | • | 1.0 | 41.4 | | | 2.0 | 22. | 77.5 | 20.5 | | 33.7 | 72.3 | | | - 2 2 3 3 | |
| | • | | <u> </u> | ····· <u>·</u> | 34.4 | - <u>'2 • 7</u> | رُ ڪُ اِن اُن اُن اُن اُن اُن اُن اُن اُن اُن اُ | . | <u> </u> | | بيافي المنطق | . <u> </u> | | . , `• . | | • |
| ≥ 1800 ≥ 1500 | , , , , , , , , , , , , , , , , , , , | | 51.7 | | 57.7 | 7 . 7 | 67.7 | | 32 . 4 | 0 7 | 50.7 | | - | 2/4 - 7 | - 0 7 | • |
| }- ⁻ } | · · • • • | 7.7 | 54 | : | | 3 1 | | | 77 . 7 | | 7 | 71.7 | • • • | • | 1~ • | , , |
| ≥ 1200 ≥ 1000 | 7.7 | | 71.7 | 77 | 75 | 70.3 | 30.0 | 1.5 | 1. | 31.3 | 11.3 | 1. | 1.7 | 1 | , , , | |
| ≥ 900 | 7.3 | | 77. | 7, , } | 8 7 | TO . 3 | 31.7 | 7 | | 3.0 | ₹. | 3. | | | | |
| ≥ 800 | 7 . 7 | 5.7 | 74. | 79.3 | 51.7 | 112 at | 53.1 | 4.0 | 64 | 44.7 | -4.1 | 34.7 | 64.7 | 74.7 | 54.7 | 18.07 |
| ≥ 700 | j - "J | 4. Q 🔒 🕺 | 77.7 | C 2 . 7 | F4 . 3 | 6.7 | 77.7 | 5 . 7 | 30,7 | 6 . 7 | 37.7 | 10.7 | 47.7 | 70.7 | 7 | A 2 . 1 |
| ≥ 600 | | 36 • € | 7 | ~4.7 | 77.7 | 8.1 | 35. | • 5 | 77. | 11." | 91. | 11.1 | 91.5 | . <u>1 7</u> . | 1. | - 1 <u>- 1</u> |
| ≥ 500 | ? • ⁷ | | 7 7.0 | 76.3 | 60.0 | 3.7 | | 12.7 | • , | 94. | 5 4 . · | 24.3 | S 4 . 3 | 24 • 3 | C4 . 3 | - L • 3 |
| ≥ 400 | | <u> </u> | 7 • 7 | 56.00 | 97.0 | ٠, ٢ | 27. | 75.7 | 73.7 | 15.4 | | 75.3 | ^ • _ | 36. | 4K | • = |
| ≥ 300 | 1 a 5 | | 7 • 1 | 26.7 | 32.0 | 2.7 | 92.3 | . 7 | 7 . 7 | 25.7 | 15.7 | 35.7 | 9.3 | 26 • 3 | 55.3 | ? |
| ≥ 200 | · | 7 | 7 1012 | 35.0 | 9: • | n. ? | 97.7 | 4 7 | 0 1 0 | 97.0 | | y 7 . 13 | 93.0 | | 98.3 | <u> </u> |
| ≥ 100 ≥ 0 | 7. | | - 1 | 60.M | 9 | ! | 92.7 92.7 | | | • | | | 99.3 | | 99.7 | } |
| - " | 7. | • 1 | • 1 | 11.65 | | <u>7</u>] | 7 C . / | . 4.7 | | 72. | 75.43 | | _ <u>/ * • 5</u> | 20.3 | 740/ | أحو بية |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

HOVES . S

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | ŧs) | | | | | | |
|------------------|---------------|-------------|---------------|---------------|---|-------------|-----------------------|--------------|---------------------|------------|-------------|---------------|---------------|------------------|-----------------|----------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 214 | ≥ 2 | ביו ≤ | ≱ 114 | ≥ 1 | ≥ ¾ | ≥ 4 | ≥ 4 | ≥ 5 16 | ≥ 4 | . ≥ 0 |
| NO CEILING | ; . | 7. | 7.7 | 1.7 | 4.1 | J. 7 | •• | · · · | 7,5 | | | 7.02 | ٠,: | 3.1 | | • |
| ≥ 20000 | <u>1.</u> • . | | 1.5 | | 7 . 5 | 3.1 | 3.5 | 7.4 | 7.0 | | 3. | 3.3 | | <u> </u> | _ 3•1. | . • |
| ≥ 18000 | • 1 | 4 . 1 | * • 7" | 4 | 4 | 4. " | 4.7 | 4.7 | 4.7 | | 8. | · • 7 | ٠, ٦ | 4.7 | 4." | • • ' |
| ≥ 16000 | • | 4 . | . <u> </u> | | <u> </u> | 4 . | <u>₹ • 3</u> | | 4.4 | 4 6 5 | <u> </u> | <u> </u> | · · · · · · | | . • دا | |
| ≥ 14000 | • • | u . | 4 🗸 | ₩ • 61 | و ك | 4 . | 4 . 3 | . •• | u 💮 | ÷) • | u . | • • | • • | * • · | ¥ • | 9. |
| ≥ 12000 | •] | 4 . | 13 . 1 | - * • * | 4 • | 4.7 | | 4 . | _ <u>*•</u> : | 4." | <u> 4.°</u> | 5.9 | | . ••. | · • | |
| ≥ 10000 | • | • | | . l. | | • 4 | | . 5 | . • | 2. | | • | | · • | • | • |
| ≥ 9000 | | | | | • | | .2 • €2 | | | | | | <u> </u> | . ∫±:. | · • . | • * |
| ≥ 8000 | • | 9 • A | | ز د | | 5.5 | | | ٠, و نو | > • 4 | | e • 4 | ' • 4 | 9 • 4 | | |
| ≥ 7000 | | | - <u>- 1!</u> | | | | | • 1 | <u> </u> | • • | • 1 | _ • • | | | <u> </u> | |
| ≥ 6000 ≥ 5000 | • | | • 4 | • • • | • • | • | • | 3 - 3 | 1.3 | • | . • | | 1 2 | 5 • 1 5 • 6 | • | • |
| }· | | | | - | | 7.3 | | - 0 | | | 7 | • · · | ; •={ | · - 5 | | |
| ≥ 4500 ≥ 4000 | | 7 • 1 | • | 1 4 - [| | 15.1 | 14 | | | | | 1 4 2 | | | 10.7 | |
| | | 11. | 11. | 11.6 | 11. | .1. | 11. | 11.7 | 11 | | | - 4 } . • - } | | • | - | |
| ≥ 3500 ≥ 3000 | | 35.44 | 1 . 7 | 1 | 16 | 15.6 | 11.7 | 7 | | 15.7 | 1 - 7 | 3 7 . 7 | 1 | 1 7 | 31.7 | |
| ≥ 2500 | | | | 1. | 21.3 | 104 | 72 7 . 7. | | | | 71. | 31.5 | · | 1 | 1. | |
| ≥ 2000 | 1.~ | 17.66 | 54.1 | | 34.7 | 74 . 7 | 34.7 | 74.7 | 74.7 | 3-4-6 | 44 | 14.8 | 3 () | | 4 | 7.4 |
| ≥ 1800 | | 114 | | | 41.7 | | -1. | 41.F | 91. | 41.1 | • 1 • ? | 41.1 | 1 | 41.1 | 41.1 | |
| ≥ 1500 | | : 5 🖟 1 | | | 11.4 | 1.0 | 61.7 | 61.9 | 31.7 | 46.00 | 63.0 | 13. | | 4.7 | | |
| ≥ 1200 | 1 | 2 . 1 | 57.3 | 7.7 | 71. | 12.1 | 7.3 . 4 | - | | 72.7 | 77.7 | 73.7 | 77 | 72.3 | 72.7 | . 7 |
| ≥ 1000 | 1 | 1 - 6 3 | 75.1 | | F 1 . f | 2. | 17.7 | 7.3 | * • ¹² : | * 3.1 | 37.4 | 7.1 | | 77.1 | 5541 | 12.1 |
| ≥ 900 | | . 7 | 77 | 1.7 | E 3.00 | 4 | 05.1 | 5.5 | 75. | 7 | -5.7 | 3.7 | • | | 5.7 | 7 |
| ≥ 800 | 1.1.4 | 1.1 | 7 | 4.1 | 21.7 | 7 | 4.5 · | * • 3 | 1. | • • | - 1 - 7 | 11.7 | | | 7,7 | |
| ≥ 700 | 1. | 1 | | . 1 | • | 9.0 | 91.5 | ę s | • ^ | 21. | 1.4 | 74.4 | ·1.4 | 21.4 | 1 . | 11.0 |
| ≥ 600 | | | <u> </u> | 7.0 | 7 6 | 1. | 73.7 | <u> </u> | · 5 • . | <u> </u> | 7 | | | | 5 7 . 7 | 1 T • 1 |
| ≥ 500 | 11. | 7.5 • 70 | | . 4 | 95.1 | 5 . 7 | • | 6.7 | | • 1 | 95.3 | ∩e.•3 | · 5 · • 3 | 7t. | 96. | ٠. • ، |
| ≥ 400 | | 13. | | - 10 | اه د او او او او او او او او او او او او او | 4.7 | | 1 5 1 11 | <u> </u> | . <u> </u> | | 77 • E | . 57•7 | . 27. 7. | 57.7 | 67.7 |
| ≥ 300 | 13.0 | 12.4 | 0.00 | • | 33.6 | щ. | 53.3 | 17.3 | 7.7 | 2 . • 1 | | 23.2 | ÷ • 4 | 2 ≈ • 4 | 99.4 | 1.00 |
| ≥ 200 | 17.5 | | 3.1. | - 1 | · · · · · | 4. | 1, 1 | 7.7 | 5 - O | | | 30.0 | 5 7 . 3 | . <u>?</u> ?•I. | | عام کاری |
| ≥ 100 | 13.4 | 77.0 | | • 1 | 7 | 4. | | 27.6 | • • | • • | 33.4 | 50.4 | င်သို့ စ | 74.pr | 10 1• 01 | • |
| _ ≥ ° | 17.5 | 7.0 | 4 . e | • 1 | 71.7 | 4.5 | 1, A ₁ 🙀 5 | | <u> </u> | 77. | 90.4 | CO. W | ଓ ଓ 🎉 🗷 | 26 | <u> 30.0</u> | 1 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST | ATUTE MIL | ES) | | | | | | |
|-------------------|------|--------------------|-------------------------|----------|--------------|-------------------|------------|------------|---|--|---|---|-----------------|-----------|--------------|-------|
| FEET | ≥ :0 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2'3 | ≥ 2 | ביו ≤ | ≥ 11. | ≥ 1 | ≥ ¾ | ≥ 4, | دا ≤ | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING | . 7 | | | | | | | | | • | | | • * | | ξ, | |
| ≥ 20000 | . ? | | • t. | • | | | | 5. | | | | | ' • | | | |
| ≥ 18000 | . • | | | 1 | | 7.1 | <u></u> - | 7.1 | 7 | 7.1 | 7 . : | 7.1 | • 1 | 7 | <u>-</u> - 1 | |
| ≥ 16000 | | , , | | 7.3 | , , , | 7.1 | | 7.1 | | | 7.1 | '.1 | , , | , | 7.1 | ,] |
| ≥ 14000 | . ; | | | | | | | | 7 | • • • | | - 1 | : | | - | • • |
| ≥ 12000 | | | , , | • 1 | - 1 | 7.1 | ~ · | 7.1 | , , , | | | ٠. | | • | , , | |
| - ' + | • ; | | ÷ | | | | 7.1 | | - , • | , <u>• </u> | - - - - | - : ::::::::::::::::::::::::::::::::::: | | . , • . | - · · | - , ' |
| ≥ 10000 ≥ 9000 | • • | • | • • | | - - - | 7.7 | 7 7 | 7.7 | 7 7 | | • : | - 1 | , • i | 7.7 | · • • | . • |
| | • | | -; | - / • ** | | ~ , 7 | | · · · · | | · · <u>' •</u> ;• | - - | | : . | | • | |
| ≥ 8000 ≥ 7000 | • • | • , | • | • . | • | | • | • | • | • | • | • | • | • | | • |
| - ⁻ + | • | | • • | | | . + | <u>-</u> - | | <u></u> • | - - • | | • • • | • 4. | · : • : · | | . • |
| ≥ 6000 | • | • • | • | • | • | 3 . (4) | • | ب و د | • • | * • * | • | • 1 | • 7 | · • ' | 7. * | • |
| ≥ 5000 | • | | | | _ • 🗀 | _ • *; | · | <u> </u> | • | | • | | • | | `• ` | . • |
| ≥ 4500 | • 1 | • | 1 • 7 | : • 7 | | | | • | • - | 1 1 | 11.7 | 1:. | 11. | :1. | 11.7 | 11. |
| ≥ 4000 | • | _ | 11. | : 1. | 11. | 11. | 11. | | 11. | 11. | | 1 | 1 | 1. | 1 | |
| ≥ 3500 | • 1 | : ' • ' | 1.7. | 12.3 | 1.7 | 13. | 1 . | • . | 13.0 | 1 2 | 1 • | | • | • | 1:5.6 | |
| ≥ 3000 | • ' | 1 . | 1 . | | 1. | | 14.0 | 1 . | | 16. | 17.1 | 1 7.1 | 17.1 | 7.1 | 17.1 | 1.7. |
| ≥ 2500 | • • | 44 | 1 | . 7 | | 14. 1 | î | , , | · , , , , , , , , , , , , , , , , , , , | | | | | | . 7 | |
| ≥ 2000 | • ; | 2 . 5 | · .1 | 2.00 | 28 . 5 | | 14. | | 4 . | ~ . | 27.1 | . 7 . 1 | 1 | | . 7 . 1 | • • |
| ≥ 1800 | . : | | | | 1.1 | 1. | 11. | | - T 1 - T | τ, | 31. | | 1.7 | 1 | | 1 + 1 |
| ≥ 1500 | | | | L 7 | 4 | 4 | li li 💍 | | 44.4 | | | | | | | (|
| > 1200 | | 7,4 | | | | | | | | | • | | | | | |
| ≥ 1200 ≥ 1000 | . 7 | 1 - | 4 | | . t . 1 | 5 | , | 7. 7. | | | | | | (7) | £ 7.0 | |
| _ | | | | | 7.7 | | | • | • | • • • | • • | • • | • • | • • | | • |
| ≥ 900 ≥ 800 | • ; | | | | 71 | | | | | | 7.1 (| • | • | • | | |
| _ 000 | • . | | - - - | <u> </u> | _ | | 7 . | • • • | • • | | | | | • | | |
| ≥ 700 | • . | | اسی اوران اعتام دران | 7 • 7 | | • | • | 76.5 | • | | • | 15 • C | • 1 | (h | • | 7. |
| ≥ 600 | | | 5, 5 , 5 | 7 7 6 2 | 77.4 | | 11. | 1 • | | | | | • '_ | • • | | |
| ≥ 500 | • 1 | 7 • 4 ₁ | tr • 1 | | -11 • Y | 3 | ंस • ३ | 9:4 · 5 | • ' | 7 • 1 | ં 7 • વ | 7 6 4 | 7 . 4 | ` 7 . u | 57.4 | • |
| ≥ 400 | • 7 | | f. • (4) | 77.4 | <u> </u> | | | _ • - | • | <u>- 41 • 1</u> | _11.7. | <u> </u> | • * | . 17•1. | 12.0 | • |
| ≥ 300 | • 5 | 1.5 • • | - F | 1 | • ^) | 1.7 | 20°4 | - 5 | • • | 34.5 | 4 7 | 54. | , , | 15 • 2° | \$ 5 a ^ | • |
| ≥ 200 | • * | • 4 | 7 | 7 7 | 3 | | -2.5 S | | 4.5 | 7.1 | 77.4 | 17.4 | - · . u | 13.4 | 49.4 | |
| ≥ 100 | . 7 | • 7 | 7 . 1 | | ~ | - 3 | 7.7.4 | • | • | 07.7 | f 1 | • 1 | i 🥫 Tini | ن ، تا | 1 | |
| 2 0 | | • * | 7 . " | 7.1 | 77. | | o ^ • A | 3 4 g 3 | 54.5 | 97.7 | · 1 | • 11 | inr.n | 1 30 . 7 | 195.1 | d |

CEILING VERSUS VISIBILITY

-- HOURS ...

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|------------------|----------|----------|----------|------------------|---------------------|-----------------|--------------|-------------|-----------|---------|----------|----------|---|--------------|------------|----------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ביו ≤ | ≥ 1% | ≥ 1 | ≥ ೩ | ≥ 4, | ≥ '5 | ≥ 5 16 | ٤. | · • 0 |
| NO CEILING | | 7. | • | | 7 . 4 | 1.0 | • | | • | • | • | • 3 | 7. | • | | • |
| ≥ 20000 | • ' | ¥ . | | • • • | | 4 1 | | • _ | | • . | • ''. | | | | · • . | |
| ≥ 18000 | :• ' | 6. | • - | 4, , | | ÷ , ∴ | 4. | | | ۱. | | | | ٠. | • | |
| ≥ 16000 | <u> </u> | <u> </u> | · · • . | 4 . 5 | <u> </u> | | · · · · | | | | | • | • | | | |
| ≥ 14000 | • | 14 🕳 🗓 | • • | 4. , €. | • | t- • | | 14 · | • | • • | ٠. | *** | • | , | | · . |
| _ ≥ 12000 | 1.0 | <u> </u> | · · · | 100 | 4 • | | - · · - | | | | | | • • 1 | | ٠. د | |
| ≥ 10000 | 1. | 4 . | P . 3 | | | | • | | • 5 | • | • ~ | • | • . | • . | , | |
| ≥ 9000 | | L, g | | | • 7 |) a \frac{4}{3} | 1. | 2.0 | • | • | • | • | | | | |
| ≥ 8000 | 1 • | 4 . | • | | | 5.0 | ٠. | • | • | | • ` | • | • " | • | • | |
| ≥ 7000 | • 3 | • 1 | . 1 | | | <u> </u> | | | | | | · • . | | • | | |
| ≥ 6000 | • | | | | $P_{-\bullet}^{-1}$ | | • | • | • " | | • ` | • | | ′ • | | |
| ≥ 5000 | | ti 🕡 | • | • 1 | 19. | €. | N5 🐞 | 6.1 | | • | 4. | | • | | ~ • | |
| ≥ 4500 | | 7.78 | • | 7.7 | 7.7 | | 7.7 | | 7 7 | 7.3 | 7 | • | • | | 7.3 | |
| ≥ 4000 | | . , | . 7 | | |) · | | · · • . | | | _ :. | • | | · • | | • |
| ≥ 3500 | • | | • 1 | | • 14. | | 2 . B | • '- | • • | | | | • ' | | | • |
| > 3000 | • | ` 1 • ' | 1 . " | 1. | 1 • | • • | 100 | | . •′ | 1 | 1 | 1 | : `• | 2 | 1. | ٠, |
| ≥ 2500 | • | 15. | i .1 | 7.4 | 17.4 | 7. | 17. | 1 . 4 | 1 7 . 1. | 17. | 1 - 4 | 1 | | 7 | 17. | · |
| ≥ 2000 | | 4 . | 7.7.7 | - 31 - 69 | | 2.0 | 25.00 | 1.5 | • • | 7 | (| 1. " • t | 77. | ** • : | • | ٠ |
| ≥ 1800 | | - | | • • | ~ - 3 | | | | • | ~ . | | | ` | | | |
| ≥ 1500 | • 1 | 7. | 4 | • 1 | 42.0 | | | | • | • . • | 19 F . 1 | a ″ • 5 | $\mathcal{H} = \frac{1}{2} \mathcal{L}$ | ·2 ~ • | " • t | • |
| ≥ 1200 | | | 4 7 1 | 1. | | | | | • | أدييات | 0.0 | | | | 50. | |
| ≥ 1200 ≥ 1000 | → 10 | . 3 | 81.1 | 1. | F | 3.3 | 5€ • 7 | 14.3 | t 😱 🖰 | 5 G 💣 | | 14.5 | 1 | 1 E | L. H 🔭 | · • |
| ≥ 900 | | 1. | | | 4 . | | 56. | | | 15. | | m 6 🔒 , | ٠. | • | <u>.</u> . | • |
| ≥ 800 | 74 · | | · -1.* | 17.1 | 7 1 🔭 | 1 . | 7 | · · : | 7.4 | | 73. | 77. | | - : . | 73 | ٠. |
| ≥ 700 | | | ت و ادرا | 7 | 71. | 7 | 7. | | 7 | ₹ | 1 | | 7 .4 | · | 7:4 | ` ¬ . |
| ≥ 600 | . 5 | 7.1 | | 74.5 | 7 . 4 | 70.7 | 11.7 | • 4 | | 13.5 | | . : • " | 4.5 | 9-1-1 | | |
| ≥ 500 | · • • · | | . 1 | 21.4 | | 3. | | · | · | 7 - | | | | • | | |
| ≥ 400 | • - | | | 7 | 4 . ° | 6.44 | 0.0° - 7 | t | | 14. • J | 41.0 | , · | | *** | 7 . i. | |
| ≥ 300 | | | | · 7 | | T | 71. | | | | ~ | - c • 1 | 1 | 4 . 1 | 54 | |
| ≥ 300 ≥ 200 | * • J | | | , , , | | 7 | 11. | | 1 | 91 | 97.4 | 31.4 | 7 | 19.7 | 54.7 | |
| | _ u . i | | ₹ | 7 | | 7.1 | 71. | ••• | | - 1 • 1 | 47.7 | | | 29.7 | 00.7 | • 37 |
| ≥ 100 ≥ 0 | | . 4 | | 7.50 | | 7.1 | -1. | | 4 | 80.1 | 1.00 | | 30.5 | 29.5 | | 4 |

TOTAL NUMBER OF OBSERVATIONS

DIFFNAVOCEANMET SMOS

111

414

44

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|------------------------------------|----------|-----------|---------------------------------------|------------------|------------|---------|---------------------------------------|-------------|------------------------|------------|---------------|---|--|-------------------|-------------------------|--|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 114 | ≥ 1% | ≥ 1 | ≥ 1, | ≥ % | ≥ % | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING | . • | 1 | `, | ं •्री | • 7 | | • | • | • | • | | 3. | • " | 7 🕳 😘 | • • • | |
| ≥ 20000 | •] | 1 | - 4 | • 74 | | 3.2 | * • : | | | • 1 | 3. | | • 2 | | _ /**. | |
| ≥ 18000 | . • 1 | • 4 | * • A | 1 | - A | | 7. | | > • " | • | ٠ | 1, a 1 | 4.7 | L | 4 🕶 | · · . |
| ≥ 16000 | | . P. | • 1 | | 7.7 | 3.0 | 1.1 | 7.0 | | | 4 . 7 | 4. | 5. . | 4 | = . 5 • ≥ | . · · · <u>· · · · · · · · · · · · · · · ·</u> |
| ≥ 14000 | | 1 4 | . 1 | * • • | ~ · 4 | 5.0 | | . 7 | | • | | | - | 4.7 | 4 🔭 | 4 |
| ≥ 12000 | | | - 1 | . a 4 | 7.4 | ٠٠٠٠ | 7 | K | <u>_</u> | | 6. € / | 4 . ? | | 4 • ? | 4 . 1 | . • • :. |
| ≥ 10000 | • • | • 1 | · • · · · · | 4.3 | i i | 4.0 | ر• 4 | 9 | 4.7 | | ~ • / | 4 📲 | 4.5 | 4 . | → • [←] | 5 • S |
| ≥ 9000 | | | • | + • 5 | | 4. | ** • | | 19 e F | | 14 | <u> </u> | —— <u> </u> | | <u>1</u> • | *** |
| ≥ 8000 > 7000 | • ; | - + I | • 1 | • 1: | | 5 • 1 | | 1 | | 1.1 | | _ 5.5 | | ا | 5 • 1 | |
| ├ ── | <u>.</u> | | | . <u>- / • 1</u> | • <u>I</u> | 7.1 | · · · · · · · · · · · · · · · · · · · | <u> </u> | 7 • * | 7 • 1 | 7 • 4 | | | <u> </u> | 7.4 | |
| ≥ 6000 ≥ 5000 | • • | | • !. 7 | 4 | | | | | | | | | | . 7 | 3.4 | • 1 |
| <u>├</u> … ̄ · · · ·· | - 1 | | | | | ; . 7 | 9.7 | 9.7 | | 1.7 | • - | <u> </u> | | 13. | | |
| ≥ 4500 ≥ 4000 | | • 1 | • 1 | | 1 | | | - | , , | , , | ,, - | 1:02 | | r kule 19 % | | |
| ├ } | | | | | 11.7 | 11. | 11. | <u>i</u> _i | 1 | | 11. | - <u></u> | . <u></u> | . <u>4 5 9 54</u> | | 11. |
| ≥ 3500 ≥ 3000 | | | 13.5 | | | 14. | 14.3 | 14.2 | 14.7 | 14. | 1 | 14.5 | 1 J _ C | 14. | 14.5 | 1 4 4 |
| ≥ 2500 | • • | 10. | · · · · · · · · · · · · · · · · · · · | 4 | 1 7 | 15.7 | 3 0 7 | 7 | | | 17. | 10. | | 18 | 10 | |
| ≥ 2000 | • 1 | | 24.0 | 7 r. | 27.3 | 27.1 | 27.1 | 27.1 | 27. | 77.1 | 27.4 | 27.4 | 4 | 7.4 | 27.4 | 7 8 |
| ≥ 1800 | • i | 7.7 | 7.7 | 1.3 | 7.10 | 3.3 . 3 | | 4.5 7 | 7 , 7 | 7.00 | 37.7 | | 77.0 | | | 1 . 7 |
| ≥ 1500 | 1. | 4 . | 4 : 4 3 | 47.1 | 4 . 7 | · 5 • · | M9.1 | 4 1 . 7 | 47.5 | 4.5 | § 1. ng | | 1.5 | 13. | ,,,,, | ~ . |
| ≥ 1200 | 1.4 | 4 . | , . 1 | • In | 7 . : | 7 . 7 | 73 T # | 7 4 | - C - 4 | • | 63.7 | • 7 | | 60. | . (• * | 67.4 |
| ≥ 1000 | 1.7 | • 3 | 5 . 1 | (7.5 | | 7 | 71.5 | 71.6 | 71. | 7. | 7 /- | 7.00 | 77.6 | 72.5 | 7 . 4 | · · · · |
| ≥ 900 | 1.1 | 1.1 | E . 1 | 7.4 | 7 | 70. | 74.2 | | 74 . 5 | 7 | 7.5 | 75.7 | 7 3 | | 75.0 | 7.5 |
| ≥ 800 | | | _ : : 1 | 1. 6 | 77.7 | 78.4 | • 1 | | | 11. | 1. | <u>01.0</u> | . 3 1. • ₩ | <u> </u> | 61.3 | 1.4 |
| ≥ 700 | 7 F • 1 | : - 4 | ्र के व | *4 · 5 | 7 | 10.3 | 5.4 | • | | λ • | 4.5 | 34.5 | (* • · · | 34.5 | 54.5 | 9.0 |
| ≥ 600 | | | 53. | 7 | 3 • 1 | 3.6 | 7.1 | 7.7 | | F 💸 🎳 🛶 | | | | | 3. | 4 - • 1. |
| ≥ 500 | 1. | 4 . [| | 7 | 3 6 | 7 • 7 | 21.0 | 3.2 | • " | | 7.3 | 7.5 | 71.0 | ^ J • • | ~ ~ | • • • |
| ≥ 400 | | •] | <u> </u> | | | 3 . 7 | | 4 • 7 | - 14 • 14 - 15 • 15 | - <u> </u> | | $\frac{1}{1}$ • $\frac{1}{1}$ | $\frac{1}{2}$ | | 6.1 | (<u> </u> |
| ≥ 300 | | • | • 1 | 3 | 1. E | | 7. | 4 • .] | | 34 . 3 | - 1 | 40.0 | 9 • 1 | 47.1 | 77.1 | 37.3 |
| ≥ 200 | | - <u></u> | | - 7 | | ?• | * (, ') | لبغيب | 7.7. | | | ~ · · · · · · · · · · · · · · · · · · · | - <u>; , , , , , , , , , , , , , , , , , , ,</u> | | 33. | . <u>^</u> |
| ≥ 100 | 1. | • | • • | | • | · · | 7 7 . 4 | | - 12 · • · · · · · · · | 7.4 | (4) (1) | 95.4 | (3.0 | 9.4 | 7.00 | - - , , , |
| ≥ 0 | 11. | | 60.9 | • " | 37 • 1j | ٠, | 77. | | | 37.44 | C E . 4 | 98.4 | 20.4 | 7 | رے واقد ہان | |

| TOTAL | MITMAGE | 0.5 | OBSERVATIONS | | ١ |
|-------|---------|-----|--------------|--|---|

STATION NAME

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | - | | | | VIS | BILITY (ST | ATUTE MIL | ES) | | | | | | |
|-----------------------|-------|--------------------|---|------------------------------|------------------|-----------------|--------------------|---------------|---------------|----------------------------------|---------------------------|------------------|----------------------|-----------------------|-----------------|-------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ וים | ≥ 11. | ≥ 1 | ≥ ¾ | ≥ % | ≥ 'n | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | . 1 | 1 | | • | • | 3.1 5.8 | "•∃ 5•⊓ | • 1 | | | 7.3 | | | • | 1.5 | |
| ≥ 18000 ≥ 16000 | - 1 | t • 1 | • 1 | A 0.•5 | 5.5 5.7 | 5.3 5.3 | t . श 3 . थ | | | ÷ . | ۶. د. د | 7 • f | | | | . • |
| ≥ 14000 ≥ 12000 | • | | | | €. • A 6: • 3 | 5 • d 5 • d | 6. | 1 • N • Pi | 1. | 1 • 1 5 • 1 | F . S | 4.0 | | | | |
| ≥ 10000 ≥ 9000 | • • • | 7.4 7.4 | | 1 | ³ • 1 ² • € | ં • 1 લં • 4 | ا • 1 غ ي ند | ے و | | • 1 | 1 | ± • 1 1 • 4 | • ì | | 9 | '• <u>1</u> |
| ≥ 8000 ≥ 7000 | • | } . • •! | 1 |) 5 • 7 | 11.1 | ં.ય 11•ી | 7. v 11.5 | 7.4 11.2 | 11.0 | 11. | 7.4 11.7 | 11.5 | 11. | 0 L | 11.1 | 11. |
| ≥ 6000 ≥ 5000 | _• | 11.1 | 11.7 | 17.3 | 11.7 | !1.7 12.3 | | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11. | 11. |
| ≥ 4500 ≥ 4000 | · • i | | 1 '• | 1 3 • 3 | 17.6 | 17.4 | 17.5 | | 3 ~ • · · | 1 • | 1 . 6 | 13.6 | 17.5 | 12.6 | 17.6 | 1 |
| ≥ 3500 ≥ 3000 | | | 17.6 | 14.5 17.5 | 14.7 | 17.5 | 14.0 | 14.6 | 17.5 | 10 • 4 17 • 4 | 14.0 | 14.6 17.3 | 19.6 17.9 | 14. | 14.3 | 1 - • - |
| ≥ 2500 ≥ 2000 | • ' | : • i | | 12.7 | 27.4 | | 33.6 33.4 | 23.6 52.4 | 23.6 27.45 | 73.4 32.4 | 27.5 37.4 | 27.5 32.4 | 77.1 75.4 | . 33.65° . 33.65°. | 23.6 32.9 | 37. |
| ≥ 1800 ≥ 1500 | • | | 1 1 2 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 27 • £ | * • 7 | 50.5 50.6 | 34.5 54.0 | | | 35.40 ይለፈ | 35 • € 34 • ± | 3: • 5 5: • 5 | 7 | | 34.7 | * * • · |
| ≥ 1200 ≥ 1000 | • | | | न्द्रकार हिं <u>क</u> ्री | 72.1 | 7. | 37.3 31. | 1.7 | 1.1. | 57.6 | • 7 • 6 • 1 • <u>9</u> | \$7.0 _1.7 | | 67.1 | 67.€ 51.5 | 7.1.1 7.1.1 |
| ≥ 900 ≥ 800 | • | ا ، | 5 · · · | 77.4 | ,4 • | 5 • d | 54.5 37.7 | • 4 | 15.4 77.6 | हर् क्र वेन ् 7 | | 15.1 83.7 | ∋r.a <u>37.</u> 7 | 5 • | β5.3 3,5.37. | े । • • • • • |
| ≥ 700 ≥ 600 | • | 1 • / 1 • 1 | 7 | 1.3 | 97.1 21.5 | 1.4 | 03.5 | 4 . 5 | 9 tg - 6. | 4. | 92.0 95.0 | 92.2 95.2 | · ^ • 2 | 95.2. | 50.1 25.1 | 50°.2 10°3.±•. |
| ≥ 500 ≥ 400 | | • ¹• • 1 | 7 .1 | "4.5" "5.4 | 97.6 | 7.5 | 45.1 | 99.7 | 6.5.7 | | 97.4 | 97.7 | 5 G . H | 20.4 | 57.7 59.4 | ~ 7 7 ° 7 _ |
| ≥ 100 ≥ 200 | | 2 • 1 2 • 1 | 7 - 1 | , 4 , 4 | 17.6 | 74.5 14.5 | · 7 . 4 | 95.7 | . , , 7 | 36.0 | 99.7 99.7 | | | 29.7 99.7 | 99.7 | CC . 7 |
| ≥ 100 ≥ 0 | | - (3 • 1 3 • 1 | 7 • 1. 7 ! • 1. | 5.4 | 72.4 | 4.5 | انه ۱۹۶۰ ۲۰۲۰ | | 7: • 7 | 09.4 | 90.7 99.7 | 99.7 | - | 100.01 100.01 | | |

TOTAL NUMBER OF OBSERVATIONS

DIBNAVOCEANMET SMOS

4#

4#

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | | | | | | | VIS | BILITY (ST | ATUTE MIL | .ES) | | | | | | |
|----------------------------------|--------------|------------|----------------------|--------------------|---------------------|----------------------|----------------------|----------------|----------------|--------------|---|---|--------------|-----------------------------------|---|--------------|
| CEILING (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11, | ≥ 1% | ≥ 1 | ≥ 34 | ≥ 4 | ≥ 1/3 | ≥ 5/16 | ≥ '• | ≥ 0 |
| NO CEILING ≥ 20000 | | 7.4 | . 1 | ., | • | 7. | 7.4 | 7 . 4 0 . 1 | 7 | 7.4 | 7.4 | 7.4 | • | 7.4 | 7.4 | , . |
| ≥ 18000 ≥ 16000 | • 1 | 1 . 1 | 1 . 4 | 1 . 7 | 1 .7 | 10.7 | 17.7 | 1 . 7 | 11.7 | 1 | 7 | 10.7 | 15.7 | 1 . 7 | 115.7 115.1 | 1 _ 7 |
| ≥ 14000 ≥ 12000 | ا • ر • د | 1.1 | 11.7 | 11.7 | 11.1 | 11.1 | 11. | 11 | 11.5 | 11. | 11. | 11. | 11.7 | 11.11 11.11 | 11. | 11. |
| ≥ 10000 ≥ 9000 | | 11. | 11. | 11.4 | | 11. | 11.9 | 11.9 | 11.7 | 11.9 | 11.5 | 11.7 | 11.9 | 11. | $\frac{11}{11}$ | 11.5 |
| ≥ 8000 ≥ 7000 | | | 1 . 1 | 1 . 1 | 13.7 | 13.4 10.1 16.1 | 13.7 13.1 15.0 | 1 , 1 | 15.7 | 13.2 | 1 - 1 | 10.1 | 1 1 | 1: 16.1 | $\frac{1}{1} \frac{7}{4} \cdot \frac{1}{1}$ | |
| ≥ 6000 ≥ 5000 | | 1 | 15.9 | 15.5 | 16.8 16.8 | 15. | 16.0 | 15.5 | 10.0 | 16.0 | 16.5 | 16.9 | 16.5 | 16. | $\frac{16 \cdot 6}{16 \cdot 6}$ | |
| ≥ 4500 ≥ 4000 ≥ 3500 | | 14.1 | 1 - qi | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 1 / 4 | 17.4 | 17.4 | 17.4 | 77.8 | 17.4 | 17.4 | 1.04 |
| ≥ 3500 ≥ 3000 ≥ 2500 | • 1 | 0.1 | 21.0° | 21.1 | .1.J | 1.0 | 21.5 24.5 | 11 d | 21 | 21 · · | 21. | 21.0 | 1 | <u> </u> | 21. | 1. |
| ≥ 2000 ≥ 1800 | • | 1.1 | 3 1 1 | 30.8 42.6 | 31 . Si 4 3 . Si | 16.8 42.8 | 34.1 | 77. P. | 43.6 | 30.0 | 36.8 47.5 | 36.3 | 3 6 A | . 15.5. 45.6. | 36. | |
| ≥ 1500 ≥ 1200 | 1 · ! | - t. t 1 | 57.69 64.7 | 77.54 77.6 | 54.8 75.4 | 75. | 75.5 | 77.1 | 7.1 | 35.5 77.1 | <u>65 • 5</u> 77•1 | 67.3 77.1 | 7.1 | . 65 °°. 77 • 1 | 55.5. 77.1 | 77.1 |
| ≥ 1000 ≥ 900 | - | 11.4 | 7 t • 1. | 1.7 | 3 - 6 | 17.0 | 25.5 23.4 | 7 | <i>c</i> > • 1 | 95.1 | $\frac{\varepsilon \varepsilon \bullet}{\circ \circ \bullet} \frac{1}{\cdot} \cdot$ | $\frac{v \cdot c \cdot 1}{t \cdot v \cdot 1}$ | | . <u>î (• 1</u> . | 89. | 3 ! |
| ≥ 800 | 1 • 1 | - 13 · · · | 7 . 4 | 5 4 . S | 71.7 | 1.3 | 97.0 | 77.6 | 1.3 | 93.c | 92.5 | 71.7 | 51.3 77.6 | $\frac{31 \cdot 3}{33 \cdot 6}$. | $\frac{1}{\sqrt{7}}$, $\frac{7}{5}$. | 1. |
| ≥ 700 ≥ 600 ≥ 500 ≥ 400 | | 4 • | 10 1 · 64 | 2 7 | 93. 45.5 | 25.0 | 97.4 | 2.1 | 5 to 1 | 76.5 | 0 u | 98.4 | 08.4 64.4 | (5 <u>+ 3</u> , | 96.5 98.4 | |
| ≥ 400 ≥ 300 ≥ 200 | • | 4 • 1 | F] • 64 | 2 . 7 | 73.8 | 75.5 55.5 | 97.7 | 55.7 | 5 ? . 7 | 99.0 | 90.4 | 99.0 99.4 | <u> </u> | 50.4 | 99.4 | 09.0 09.0 |
| ≥ 100 ≥ 0 | 5.1 | 74.1 | •2•6 दः•स ३३•अ | 2 7 . 7 5 7 . 7 | 25.4 | 56.1 56.1 | 58.1 58.1 | 79.4 | 65 a | 39.7 | | 00.0 | ion.o | 100.0 | 165.01 105.01 | |

TOTAL NUMBER OF OBSERVATIONS 210

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|----------------------------|-----------------------------|---------------------------------------|-----------------|----------------------|----------------------|------------------|----------------------|-------------------|-----------------|------------|--------------------|---------------|---|-------------------------|--------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ າ | ≥ 11 ₉ | ≥ 1% | ≥ 1 | ≥ 14 | ≥ 4, | ≥ 'ე | ≥ 5-16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | . • 2 2 • 1 | 1.1 | E. 1 | · . 4 | r . r | 5.7 5.7 | 6. | 5 • F | y • ff | F . 7 | 4. 1 3. 7 | 1 . 3. | / , ¢ | | | |
| ≥ 18000 ≥ 16000 | • | · · · · · · · · · · · · · · · · · · · | 1 • 1 | 1 7 | 1 - 7 | 12.7 14.7 | 17.7 | 1 . 7 | 1 7 | 1 ? 1 ? | 10.7 | 10.7 | 1 . 7 | 13.7 | 10.1 | |
| ≥ 14000 ≥ 12000 | | 11.1 | 10.7 | 1 . 7 | 11.3 | 11.5 | 17.7 | 11.5 | 11. | 1 . 7 | 1 . 7 | 11.3 | 11.7 | 10.7 | 10.7 | |
| ≥ 10000 ≥ 9000 | | 11.6 | 11.4 | 11.6 | 11.6 | 11.5 | 11.4 | 11.5 | 11. | 11.6 | 11.5 | 11.5 11.t | 11.6 | 11.6 | 11.6 | 11.0 |
| ≥ 8000 ≥ 7000 | 4 • 1 5 • 1 | 13.1 | 1 3.5 | 1 * • 2 1 5 • 5 | 17.5 | 19.7 | 17.5 | 13.3 | 1 | 15. | 17.7 | 13.7 | 11.5 | 11.0 15.5 | 13.3 | 1.7.0 1.15. |
| ≥ 6000 ≥ 5000 | 9 • † • • • • • • • • | 16.1 | 1 1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 15.1 | 15.1 | 1 · • 1 1 · • 3 | 16.1 15.1, | $\frac{1\cdot \cdot 1}{1\cdot \cdot 1}$ | 10.1 . <u>16.</u> 1. | 16.1 | 14.1 11.1 |
| ≥ 4500 ≥ 4000 | | 1 | 1 . 4 | 16.5 | 16.2 | 16.0 | 18.4 | 15.5 | 15.3 | 15.4 | 1 . 4 | 15.4 | | 16.5 | 15.4 | |
| ≥ 3500 ≥ 3000 | .1. | 11.44 11.44 13.44 | 24.0 | 2 - 5 | 20.7 24.5 30.7 | ~4 . 5 30 . 7 | 24.5 | 24 • £ | 74.5 | 24.5° | 24.5 | 24 · 5 | 2 | 70.0 14.5 | 24.5 | 2-• |
| ≥ 2500 ≥ 2000 | 14.5 14.5 | 46.6 | 40.7 | 41.7 | 41. | 41.7 | 41.3 | 41.3 | 41.3 | 41. | 41.7 | 41.7 40.7 | 41 | 10.00 41.3 40.00 | 41. | 41. |
| ≥ 1800 ≥ 1500 > 1200 | 17.1 | . T | | 73.2 | 67.4 | 47.7 74.5 | 68.4 75.2 | 76.2 | . • | 63.4 | <u>6</u> 1.4 | 71. 2 | 63.4 | 65.4 75.2 | 5° 4 | 7. |
| ≥ 1000 | 7.7 | €3.7 1.9 | 7 5 | ۶ . 3 الأوران | 45.5 | 5.7 | 84.7 | 4.5 | 4 . 5 66 . 1 | 84.5 | 4 · 1 | 34.5 84.1 | 34.5 | - 4 | 24.5 64.1 | 2 |
| ≥ 900 ≥ 800 ≥ 700 | 17.7 | 71.3 72.5 | 7,11.77 वर.स | 58.8 | 92.4 91.6 | 19.3 | 97.7 | 11.3 | 91.7 | 94.3 | 94.8 | 91.3 | 01.3 | · (1 · 3 | 91. | - 1. 04. |
| ≥ 600 ≥ 500 | 7 2 4 | 73.7 | 33.6 | 50.5 50.7 | 72.6 | 73.6 95.2 | 95.5 97.1 |) · • 7 | 96.7 | 96.5 | 99.0 | 70.1 | 96.E | 75 e E | 79.0 | 06.1 65.1 |
| ≥ 400 ≥ 300 | 17.7 | 73.3 | B3.4 | 84.7 | 94.2 | 95.5 95.5 | 97.7 | 79.4 79.4 | 00°n | - 1 | 100.0 | | | 99.7 166.0 | | - |
| ≥ 200 ≥ 100 ≥ 0 | 7.7 | 73.4 73.4 73.9 | 33.5 | 19.7 | 94.2 | ^5.5 -5.5 | 97.7 97.7 97.7 | 99.4 79.4 | | 99.7 | 1:0.0 | 100.0 | 160.0 | 100.0 100.0 | 100.0 | 100.0 |

| TOTAL NUMBER OF ORCERVATION | ie ') |
|-----------------------------|-------|

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|---|-------|--------------|----------------|--------------|-----------------|--------------|-----------------------|--------------|----------------|--------------|--------------------|--------------|-------------------|----------------|------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ ויז | ≥ 1% | ≥ 1 | ≥ 3, | ≥ 44 | ≥ 19 | ≥ 5/16 | ≥ 4 | ≥ 0 |
| NO CEILING ≥ 20000 | 7. | 3.5 | - 1 | 4.5 | | 3 • () 4 • § | 3.0 | : • f | 3.1 | | 3 · 1 | 5 • 6 4 • 5 | _ | 3.6 | ₹.6 | |
| ≥ 18000 | 2 . 4 | 5.1 | • 5 | 5.3 | | 5 | 5.2 | | • | 4 . 5 | 7 - 7 | (• 3 | 5.2 | - | - 4 <u>+ 7</u> | 4 |
| ≥ 16000 | | 5 • 3 | <u></u> | 9 2 | | 5 • 2 | 5.2 9.2 | <u>3 • 2'</u> • 2' | | 7 . 2 | F • ? | 5 • 2 5 • 2 | 5.0 | | 5.2 | |
| ≥ 12000 | ĵ.; | 5. | | , • ૧ | • 4 | 5 • 6 | *: • 5 | £ • 3 | 7 5 | <u>.</u> . | ٠, ١ | 5.8 | ٢. ٩ | 5 | | |
| ≥ 10000 ≥ 9000 | 3.0 | b. | ક.•ે ••ેલ | 5 • 5 6 • d | 6.5 | 5 • 5 6 • 3 | ნ•5 ნ•8 | اگین کیان | _ 5 • 1 | 5 • 5 6 • 5 | £ . 5 | 6 • 3 | • | | 5 • ° | ٠٠٠ تا و. ن |
| ≥ 8000 ≥ 7000 | | 7.7 | . 7 | 7.7 | | 7.7 | 7.7 9.7 | | | | 7.7 9.5 | 7.7 | 7.7 | | 7.7 | 7 . 7 |
| ≥ 6000 | 4 • 1 | | 7 . 7 | 5.0 | 7. | ع• د | 3.0 | 4.5 | ر. • د. | 7 | 9.0 | 9.U | 7.0 0.0 | 9.7 | 9. | |
| ≥ 5000 | 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | 1 7.7 | 1 7 | - → 7 1 → 7 | | 9.7 | 7.7 | 7.7 | 9.7 | 7.7 | 7.7 | 10.7 | 7.7 | 10.7 | e.7 10.7 | 17.7 |
| ≥ 4000 | | 11. | 11.3 | 11.3 | 11.3 | 11.5 | 11.7 | 11.3 | 11.7 | 11.3 | 11. | 11.3 | 11.3 | 11.7 | 11. | 11.7 |
| ≥ 3500 ≥ 3000 | 7.5 | | 17.1 | 17.1 | 17.7 | 13.2 | 17.1 | 15.2 | 17.1 | 13.7 | 17.1 | 17.1 | 7,1 | 13.2 | 13.? 17.1 | 1 7 . 1 |
| ≥ 2500 ≥ 2000 | 1 | 12.3 | | 77.3 | ??•3 33•5 | 78, 1 | 77.3 | 77.3 | 35.5 | 35.5 | 22.3 35.5 | 22.3 31.5 | 27.3 | | 22.3 | 73.5 |
| ≥ 1800 | 11.1 | 77.1 | 45.5 | 40.7 | 41.7 | 11.0 | 41.0 | 11.0 | 4; 1 . r. | 41. | 41.7 | 41.0 | 41.7 | 41. | 11.0 | 11. |
| ≥ 1500 | $\frac{1?}{12}$ | 46.7 | | 5 • 2 | 65.9 | | 35.1 | 16.8° | 50.1 | 67.1 | [5.1] 6.1 | 56.1 67.1 | 56.1 | 5 • 1. • 7 • 1 | 56.1 57.1 | . 55 • 1 67•1 |
| ≥ 1000 | 17. | . 3. | | 71.1 | 79.4 | 2.6 | 30.0 | 1.0 | 83.4 | 51.3 | | 53.0 | | 83.7 | 5 <u>1</u> ,3 | 9]• <u>₹</u> |
| ≥ 900 ≥ 800 | 17. | 5.5 | 73.7 | 63.7 | 84.5 | 5.5 | 35.5 | -6.5 | ٠ | 96.5 | 86.9 | 36.9 | • | 96.8 | 66.P | . 9 <u>.</u> 6.8 |
| ≥ 700 ≥ 600 | 10. | 67.4 | - 1 | | 87 a 1 | ુક્⊾લ 11• \ | 36.4 91.0 | 00.7 | 40.7 52.3 | | i | . 42.00 40.00 | • • | , 90.0. : 92.9 | 30.0 | 3 |
| ≥ 500 | 12.7 | 57.7 | 75.2 | 1:1.2 | 75.3 | 2.5 | ٠٠.٠ | 04.2 | 34.2 | 95.0 | 95.2 | 95.2 | 3F.7 | 95.2 | 65.2 | |
| ≥ 400 | 17. | 55.4 | 77.4 | | 91.6 | 73.5 | 94.7 | 35.8 | | 96.5 | | 96.7 | 97.1 48.1 | 77.1 78.1 | 77.1 98.1 | 27.1 |
| ≥ 200 | 12. | 58.4 | | 85.8 85.6 | 97.4 | 94.5 | 94.8 | 96.5 36.5 | | 98.7 | | | | 59.4 | 99.7 | 29 .0 |
| ≥ 100 ≥ 0 | 1 | 64.4 | 77.4 | | 92.3 | 4 . 5 | 94.3 | 26.5 | | 98.7 | 99.0 | · • 3 | | 99.4 | _ | Γ |

TOTAL NUMBER OF OBSERVATIONS 210

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST | ATUTE MIL | £5) | | | | | | |
|----------------|-----------------|--------------------|----------|-------------|----------|---------------------------------------|---------|----------------|--------------|---------------|-------------|----------|---------------|-----------------|------------------------|------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 14 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ 1, | ≥ 0 |
| NO CEILING | | 3.2 | 7,7 | 7.0 | 3.5 | 3.7 | 7.2 | 2.02 | 7.7 | 3.0 | 7.9 | 2.2 | 7 | ₹.2 | 3.0 | 2.5 |
| ≥ 20000 | | 3.0 | | 3,5 | 7 • ⊙ | | 3.5 | 2.4 | 3.6 | 5 • € | 7.€ | 7.6 | ₹.6 | | 7,6 | <u> </u> |
| ≥ 18000 | • | 4.4 | - 1 | " • š | 4 . 5 | 4 . 5 | 4 . 5 | 9 . S | 4 .* | 4.5 | (; • c. | 4.5 | 4.5 | | 4 - 5 | 4 . 5 |
| ≥ 16000 | | 4 . | · · · 5 | 4.5 | 4 . 5 | 4 . 5 | 4 . 5 | 4.5 | 4.5 | 4 | 4 . 5, | 4.5 | 4 . 5 | | 4 - 5, | 2•5 |
| ≥ 14000 | . • 🔻 | | | 4.5 | 4 . 5. | 4 • 5 | 4 • 5 | 4 . 5 | عو د | 4 . 5 | 4.5 | 4.5 | 4 - 5 | | 4 . " | 4 • 5 |
| ≥ 12000 | | 4. | 4. | - • 8 | 81 • E | 4.5 | 4.8 | 4 . F | 4.7 | 4 . 5 | 4.^ | | 4 . 4 | 4 . 5 | 4.0 | 4 • 3 |
| ≥ 10000 | • ' | 5.4 | ₹ € | 5.5 | i | 5 • 5 | 5 • 5 | 5.5 | 3 . 5 | 5.5 | | 5 • 5 | | , | 5 • 5 | 5 • 6 |
| ≥ 9000 | | 5.4 | - 4 | - • : | <u> </u> | 5.3 | 5.6 | 5 . A | 5.7 | Ç. . ₽ | 5.8 | 5.9 | 5 • B | <u>5.8</u> | <u> 5.3,</u> | |
| ≥ 8000 | | 7.1 | 7.3 | 7.1 | 7 • 1 | 7 - 1 | 7.1 | 7.1 | 7 • 1 | 7.1 | 7.1 | 7.1 | 7.1 | i | 7.1 | 7. |
| ≥ 7000 | | 1 19 0 | - | 7.4 | , n | | 0 4 | 9.4 | 5.4 | 7 . 4 | | G . N | ? , u | 3.4 | 9.4 | 9_4 |
| ≥ 6000 | 4 | 1 | 7. | 1: . 4 | 9 4 | 9.4 | ?•4 | G • 4 | 5 . u | 9.4 | | > 4 | ે. 4 | | 9.4 | 9.4 |
| ≥ 5000 | ڏ و≎ و نسيسس | \$ a 4; | | | Ç . 7 | 9.7 | 9.7 | 5.7 | 9.7 | 3 7 | | | 5.7 | 9.7 | 7.7 | 9.7 |
| ≥ 4500 | • 7 | 15.3 | 3 | 1 7 | 17.7 | | 10.7 | 10.7 | 10.7 | 11.7 | 10.7 | 10.7 | 10.7 | 12.7 | 17.7 | 10.7 |
| ≥ 4000 | • 1 | 1 . | 1 . " | 11.1 | 11. | 11. | 11.0 | 11.0 | 11. | 11. | 11.3 | 11.1 | 11.0 | 11.0 | 11.7 | 11 • 4 |
| ≥ 3500 | • | 11.3 | | 11.9 | 11.4 | 11.4 | 11.9 | 11.9 | 11.2 | | 11.7 | 11.7 | 11.7 | 11.9 | 11.9 | 11. |
| ≥ 3000 | | । } ि⊕ी • :च==च | 1 4 6 5 | 14.0 | 14.5 | 14.0 | | | 14. | 14.5 | 14.9 | 14.3 | 14. | 14.6 | <u>. 7 4 • 5</u> . | 14 • |
| ≥ 2500 | | 17.5 | 1 | - 20° • G | | 70.0 | 30 % 0. | | | 20 • € | 2 n • n | 20.0 | 77.0 | 70.5 | 30.0 | [ii • ·] |
| ≥ 2000 | | | 2 (• 1) | 2 • • | 3.00 | | 27.4 | | 2 0 4 | 23.4 | 28 6 15 | -3-4 | . <u> 4</u> . | , . ? | . ≧ 3.• 4. | 7 • ₩ |
| ≥ 1800 | | | . i • 7 | 30.0 | 27.4 | | 32.2 | 2.3 | 37.5 | 32.5 | 22.0 | 32.5 | 33.0 | 32.0 | 32.9 | 33.9 |
| ≥ 1500 | | 10 64 | | 4 6 13 | | 40 1 | 47.1 | 47.4 | | 48.1 | 4/ • 1 | _4 0 • 1 | 4 - 1 | . 4 4 • 1 | <u> 4: • 1.</u> | 2.3 |
| ≥ 1200 | • 3 | 15. | | F. H. F. | - | · · · · · · · · · · · · · · · · · · · | 54.7 | 9.5 | 3.0 | • | 37.7 | 59.7 | 50.7 | . ६०, ₹. | 5 7 . 7 | - 7 |
| ≥ 1000 | | 1. | 57.1 | * . · · · · | 45. | | 67.4 | 47.7 | 67.7 | | 13.4 | 5 • 4 | <u> </u> | F2.4 | <u> </u> | 50.4 |
| ≥ 900 | | 2. | _>_•ે | (5.2) | | - ; | 76.7 | 71. | 71. | 71.6 | 71.1 | 71.6 | 71.6 | 71.6 | 71.6 | 71.5 |
| ≥ 800 | <u> </u> | | + | | 71 • • | 72.4 | 74.5 | 4 . 5 | 74.0 | 75.5 | 75.5 | 75.5 | 75,5 | 75.5 | . 7 (• 5 , | 7: • . |
| ≥ 700 ≥ 600 | · • | | 64. | 71.0 | | 77.4 | 77.5 | 7.7 | 70.7 | | | 00 • 3i | | . fj.•3 | 83.3 | |
| ≥ 600 | | . 1 | 06.1 | | 7 7 . 7 | | 11.7 | 4 . 7 | 4.7 | 83.0 | 66.5 | 35.5 | 75.5 | | <u> 25.5</u> , | <u> </u> |
| ≥ 500 | 5. | 7 • 1 | | 75.2 | 61.3 | 3.7 | | 7 - 1 | | | 97.3 | | 30.3 | | -> 0 • ₹, | 90.3 |
| ≥ 400 | | 7,4 | | 77.4 | 33.6 | 6.1 | 29.4 | 61.0 | 91.7 | | 63.5 | 93.2 | 47.2 | | 23.2 | -2:•3 |
| ≥ 300 | | : 7.4 | | 77.4 | 53.6 | 6.1 | 97.0 | 2.6 | 97.9 | | 95.2 | 95.7 | 5 5 B | ; ; | 95.8 | 35.3 |
| ≥ 200 | 5.1 | | 6 . 1 | 77.4 | 44.2 | *7 · 1 | 61.3 | ٠ <u>.</u> , ٥ | GB . 5 | | 96.9 | 96.8 | 97.7 | | 97.7 | |
| ≥ 100 | 7 | .7.4 | | 77.4 | 84 . 2 | 7.1 | 91.3 | 73.9 | 74 5 | | 97.4 | | _ | 77.4 | | |
| ≥ 0 | | °7.4 | 63.1 | 77.4 | 84.7 | 7 | 71.7 | 75.9 | 44.5 | 96.1 | 97.4 | 77.7 | 59.4 | 99.4 | 99.4 | 123•U |

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CE | LING | | | | | | | ViS | IBILITY (ST | ATUTE MIL | ES) | | | | | | |
|-------------|----------------------|----------------|---------|----------|------------|--------|---------|----------|-------------|--------------|-------------|------------|--------|--------------|-------------|--------------|-------------|
| (FI | EET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1% | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ '. | ≥ 0 |
| | EILING | 1. | 4 • | и• - | 4 4 5 | - 1 | 4.4 | 4 . 3 | 4 . 5 | 4 . ? | 4.5 | u . ° | 4.8 | 4 . ĉ | 4. | 4.5 | 4.0 |
| _ ≥ 2 | 20000 | | 5.6 | | 7 | E . 7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.7 | 5 , 7 | <u> </u> | | 5.7 | - : - 7 |
| | 8000 | ~ . | 6.0 | 5 • 6 | 1.6 | 6 . 7 | 6.7 | 6.7 | | 5 . 7 | 7 | | • • 7 | · • 7 | | (. 7 | 6.7 |
| <u> </u> | | • | € • t | | 5 . 0 | 6.7 | 6.7 | €.7 | 5.7 | t • 7 | 7 | 5.7 | 1.7 | , , <u>7</u> | 6. | [| <u>. ۥ?</u> |
| | 4000 2000 | 3. | € • ti | - 6 | 6.7 | 6.7 | 5 • 7 | 6.7 | - 7 | 4.7 | € • 7 | | 67 | 5.7 | 6.7 | € . 7 | 5.7 |
| <u> </u> | | 7 • 1 | | | 7.5 | 7.5 | 6.9 | <u> </u> | - 9 | 5.7 | | 4 9 7 | 3 • 9 | <u> </u> | ••• | <u> </u> | 6.0 |
| | 9000 | 3 • ₹ 3 • ¥ | 7.5 | 7 6 | | _ ` ` | 7.5 | 7.5 | 7.5 | 7 . = | | 7 1 | , • | 7.5 | : | 7.5 | 7.6 |
| ├ <u></u> | - -† | | | 0.7 | 7.7 5.8 | 7.8 | 7.3 | 7.8 | 7.9 | 7.5 | 7.3 | | 7.9 | 7.8 | 7,- | 7.3 | 7.6 |
| | 8000 7000 | | | - 1 | 15.4 | | 9.2 | P . P | 3.6 | 3.0 | 3 • 4 | | 5.9 | 9 | | 9.91 | |
| | | 4. | 10.1 | 10.3 | | 13.5 | 10.0 | 10.5 | | 1 1.5 | 1.00 | 100 | 1000 | 1 | 17.5 | 17.5 | 1 • 5 |
| | 6000 5000 | ts • 5± | 10.0 | | 10.3 | 17.7 | 10.4 | • • • | | 1 - 0 | 1 | | 11.0 | | 11.6 | 11.0 | 11.0 |
| | · | - 4 - 7 | 11. | 11.7 | 11.0 | 1104 | 11.2 | 11.7 | 11.2 | 11.0 | 4 4 8 % | 11.3 | 11.3 | 11.2 | 1102 | -44-5 | 11.3 |
| | 4500 4000 | 1 | 12. | 1 ? - 41 | ! | 11.9 | | 11.0 | 11.9 | | | | 12.0 | 17.5 | | | |
| | | 7 | | | 13.8 | 14. | 34.5 | | 14.5 | | 1 | 14.7 | 17.5 | 13.7 | 13.0 | | |
| | 3500 3000 | | 13.7 | | 17.5 | 17.4 | | 17.4 | | 17.4 | | | 17.5 | 14.0 | | 14.0 | 17.4 |
| | ł | · | | ··· | | | | 27.1 | 72.1 | 72.1 | | 22.2 | 22.2 | | 17.4 | | 22.2 |
| | 2500 2000 | | 0.0 | 33.3 | 31.1 | | | 31.3 | 71.3 | 31.7 | 31.3 | 21.4 | 71.4 | - | 71.4 | 72.2 | 21 0 2 |
| | 1800 | | | | | | | 31.7 | 76.7 | | 36.7 | 36.5 | 36.3 | · | | - <u></u> | 2.1.2.2 |
| | 1500 | 10. | 47.5 | | | 55.1 | 1 | 53.5 | 3.7 | 3.3.7 | رون چونو |) (| 34 • 3 | 54.0 | 54 | 55 a 7. | 7 th - 3 |
| | 1200 | 11.0 | | | | | 4 7 . 3 | | 4 4 D | 6.4 | h4 | 50.3 | D4 . 3 | 64.3 | 1.6 | 64.3 | 44.5 |
| | 1000 | 11.1 | 7. | | 70.4 | 73.7 | - , | 75.1 | 75.5 | 73.5 | 75.8 | 71.5 | 75.8 | 71 - 6 | 76.0 | 75 0 | 75 |
| | 900 | 11.1 | | 51.2 | | 76.2 | | 77.9 | | 7 - 7 | 7 | 72.7 | 70.7 | 77.7 | 78.7 | 75.7 | 7 7 |
| ≥ | 800 | 11.7 | 6.2.6 | £ 5 | | | | 61.9 | - 2 4 | 12.4 | 2.07 | P. 1. 5 | 52.8 | = 7 . 6 | A2 . 0, | 37. | 32.6 |
| ≥ | 700 | 11.3 | - 1 - 5 | 7 4 | 70.1 | | -3-5 | | | | 36.2 | E to . 3 | | 3 | 36.3 | 86. | ₹ ₹ |
| ≥ | 600 | 11.5 | 2.4 | 71.7 | 81.06 | | 66.B | 80. 4 | 37.5 | 27.5 | Q., r | 20.2 | 73.2 | 20.3 | 40.2 | 98. 2 | 30.2 |
| 2 | 500 | 11.7 | · 3 • 5 | 73.7 | 82.1 | 87.P | 20.5 | 91.5 | | 93. | 93.7 | 94. | | 94.7 | 94. | 94.1 | |
| _ ≥ | 400 | 11.3 | 1.3.7 | 73.5 | 63.0 | 87.1 | on.e | 93.5 | | 45.5 | 65.0 | 96.3 | ľ | 36.3 | 96.3 | 95.3 | 56.3 |
| ≥ | 300 | 11.3 | . 3. 7 | 73.5 | 53.1 | 87.4 | 11.1 | 94.0 | 75.8 | 95.7 | 97. | 97.5 | 97.5 | | 97.7 | 77.7 | |
| ≥ | 200 | 11.7 | :3.7 | 73.5 | 23.3 | 83.8 | →1.7 | 94.5 | 6 . 5 | 56.7 | 99.7 | 99.7 | 93.7 | 99.1 | 99.1 | 30.1 | 99.7 |
| 2 | 100 | 11.3 | 3.7 | 77.6 | £3.3 | 90.8 | 21.9 | 94.7 | 16.6 | 76.7 | 98.4 | 90.0 | 94.1 | 57.7 | 39.7 | 49.8 | 49.3 |
| [≥ | 0 | 11. | 3.7 | 77.4 | 6 5 . 3 | Bo . 3 | 01.4 | 54.7 | 93.6 | 96.7 | 48.4 | 99. | 50.3 | 93.7 | 39.8 | 99.0 | لكوعته |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

111

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | LES) | | | | | | |
|-------------------------|------------------|----------------|------------|--------------|---------------|--------|-------|-------------|---------------|-------|---------|----------------|--------------|-------------------|---------------------|--------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 114 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ ′. | _ ≥ 0 |
| NO CEILING | . 3 | 4. | 7.07 | 5.2 | 7.0 | C • 1 | T ? | 7.05 | 7.5 | | | 5.5 | C • 5 | • | 5 . c | |
| ≥ 20000 | | 4 . | • | 5.5 | 5.9 | 5. | ن 🕻 🤻 | . 3 | i, 🞳 🥫 | _: • | ε, η | 5.3 | r . F | | 5.00 | |
| ≥ 18000 | • | 4.5 | 5.51 | 5 • S | | 5. | 5.0 | 7. • 3 | | | ε, . | | 0.0 | • 5 | ٠ | 5.0 |
| ≥ 16000 | • ² ! | 4 . | 2.5 | 5.5 | ₹ β | 5 . 3 | 5.3 | ۶,٤, | 5.0 | | - 1 | ₹₹ | | <u>.</u> | ٠,٠ | |
| ≥ 14000 | • 5 | 4. | 5.5 | £, • € | | 5, 🞳 | 5.8 | 5 . 2 | ु • व | 3.6 | 5.5 | . 5 | : 0 | 7.3 | از 🗸 🖰 | • = |
| ≥ 12000 | | 4. | 5.4 | 5.5 | | ₹ • 3 | 5.0 | ¥ | 5.7 | | - | 5,3 | 5.3 | E . 8 | 2 🚉 | . • |
| ≥ 10000 | • 5 | 4.0 | 3.45 | 5.5 | '5 • ₹ | 5 • ∴ | | 5 • 3 | 5 🕞 | | ۰. ۳ | 5.3 | | 5.6 | ج ۽ ء | ث و د |
| ≥ 9000 | • | 4. | • * | | ু ন | | 5.8 | 3 • € | | 7.4 | 204 | . <u>5 e ?</u> | | <u> 5</u> | | إ∴ • تــــ |
| ≥ 8000 | • * | ~ • | | - 5 | | | E - 4 | i | 5.0 | 5 • 5 | 5.€ | 5.8 | 3.0 | 2.5 | ± • € | |
| ≥ 7000 | <u>• </u> | . F • 2 | 6.5 | 5.8 | | 7.1 | 7.1 | 7.1 | 7. | 7.1 | 7.1 | 7.1 | 7.1 | | 7. ; | ! <u>•</u> i |
| ≥ 6000 | اب ♦ بر | 5 • ? | 5.0 | . é | 7.1 | 7.1 | 7.1 | 7 - 1 | 7 • 1 | | 7 - 1 | 7 • 1 | | 7.1 | 7.1 | '• i |
| ≥ 5000 | | _ ნ• | 7.4 | 7.4 | 7.5 | 7. | 7.2 | 7 . 8 | | 7.7 | 7.€ | | ?•9 | <u>7•</u> €. | <u>7</u> • A | |
| ≥ 4500 ≥ 4000 | • 1 | , • | 1 | ^ • <u>1</u> | * • *# | 3.4 | 9.4 | 7 a 44 | 3 . 4 | 4 | | | | F . 4 | 9 . 4 | |
| ⊢ " 1 | | 11.01 | 11.5 | | | 9.1 | 7.1 | 7.1 | - 1 | 7.1 | | | 1 | . <u>~•</u> 1, | - 3 · 1 | • ' • 1 |
| ≥ 3500 ≥ 3000 | • | 12.44 12.46 | | 11.0 | 11.3 | | 11.3 | 11.5 | 11.7 | | | 11.3 | 11.5 11.9 | 11.2 | 11.3 | 11.5 |
| <u>-</u> | · - 📜 💤 | | | | 10.5 | 18.6 | 15.8 | | 14.7 | 18.8 | | 14.9 | 1407 | | 14.0 | . 14 . 6 |
| ≥ 2500 ≥ 2000 | • | 23.7 | : 2 r . [| 7 . 6 | | 16.5 | 26.5 | 26.4 | 25.0 | 23.5 | 26.1 | | 1 | 1 C • 4 | 74 6 | 1, • [|
| h | | 25.4 | 2 9 | | | | 30.1 | | 39.1 | | 30.1 | | • • • • • | ·- :• | -20 • 2. -36 • 1 | |
| ≥ 1800 ≥ 1500 | | 34 | - | 1 | 43.0 | | 43.4 | ×3.4 | | 43.4 | 47.4 | 4 7 . 0 | 4.4 | at t | 47 4 | 4 7 4 |
| ≥ 1200 | | -, | | 41.2 | | | | 72.1 | | | | 52.1 | | | 7,3 9 7. - 2 2 3 | |
| ≥ 1000 | | a i | 54.6 | 5 . 3 | | 22. | 63.4 | 3.3 | | 63.5 | 63.8 | 63.8 | 6.3.8 | 63.4 | 63.5 | 53. |
| ≥ 900 | • 7 | 4/.7 | 51.6 | | | | | 4.7.8 | | 67.6 | + | | 57.6 | 67.5 | 6.7.6 | 67.4 |
| ≥ 200 | • 3 | 1.0 | 51.5 | t. • | 77.5 | | 75.7 | 75.1 | | 76 1 | | 76.1 | 76.1 | 76.1 | 76.1 | 75.1 |
| ≥ 700 | - 7 | .1.1 | 0 7. | 71.2 | 77. | 70.3 | 79.6 | | 1 .6. | | 8 C . 6 | | 17.6 | 373.6 | 13.6 | 1 2 2 1 |
| ≥ 600 | • 7 | | _ 6.5 • °¦ | 7: . 1 | n1.6 | 43.5 | _ | 36.4 | - : | 87.1 | | | | 7.1 | 67.1 | . f 7 . i |
| ≥ 500 | • रा | 4.1 | 5 . 3 | 7.:. 3 | | 39. | 91.9 | | | 93.5 | | | 6.7 | 63 5 | ¥ 3 5 | 67. |
| ≥ 500 ≥ 400 | • . | 4 . 1 | 6 . 6 | 73.0 | 88.3 | * : 3 | 92.2 | 4.5 | 74.5 | 95.5 | 95.5 | | 95.8 | 95.8 | 95.5 | \$5. |
| ≥ 300 | | 4 . 4 | 6 . 7 | 77.6 | 87.0 | 21.4 | 94.2 | 75.3 | 95.1 | 97.1 | 97.1 | 97.4 | 67.7 | 97.7 | 97.7 | 97.7 |
| ≥ 300 ≥ 200 | • ব | : 4 . 7 | 6:01 | 79.9 | | °1.5 | 94.5 | 74.4 | 0 <u>6,</u> 8 | 97.7 | | 93.7 | | 09.7 | | 79.7 |
| ≥ 100 | • 3 | | 6 . 6 | 79.9 | | 11.5 | | | 97.1 | 98.1 | 94.7 | 99.5 | 99.7 | 10.3 | 00.0 | 100.0 |
| ≥ 0 | • 3 | 4.7 | 6 . 5 | 79.9 | 39.3 | 1.6 | 54.5 | 16.8 | 97.1 | ₹8.1 | | | | 193.0 | | |

TOTAL NUMBER OF OBSERVATIONS

13

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | .E\$) | | | | | | |
|-----------------------|-------------|-------------|--------------|------------------------|----------------|-------------|----------------------|----------------|-------------|----------|-------------|--------------|------------------|-----------------------------|---|---|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ 46 | ≥ % | ≥ 5/16 | ≥ 1. | ≥ 0 |
| NO CEILING ≥ 20000 | | 4 . C. | 1.0 | 4.5 | 4.5 | 4 . G | 4.5 4.7 | 9 • 5 4 • 9 | 4." | 44 g * 1 | 4 . T | 4.5 | 4.9 | 4.3 | 5.2 | 4.0 |
| ≥ 18000 > 16000 | | 4.4 | 4.0 | 4 . Q | 6.0 | | 4.0 | | 4.0 | | 4 . C | 4. 9 | | | <u>2 </u> | |
| ≥ 14000 ≥ 12000 | , | | 1 | 4.0 | 4 | 4.5 | 4. | 4.0 | 4.0 | 4.4 | | 4.0 | 5.7 | | 3.2 | |
| ≥ 10000 ≥ 9000 | | | | 3 • 2 2 • 2 | F • 2 | 5.7 | 5.2 | 2 • 2 | | 5 | 5 ° 4 | *•3 *•3 | r.5 | 5.1. | <u> </u> | |
| ≥ 8000 ≥ 7000 | 7 | | 3.5 | | 7 0 0 | 5 · 5 | 3.5 | | 6 . F | | | 5.5 | ۳.3 ۲.8 | 5.5 | 5.0 | |
| ≥ 6000 ≥ 5000 | | | 4 | 1. • £ 1. • £ | 6 • 5 7 • 1 | 7 . 1 | 6.5 7.1 | 7.1 | 5.5 | 6.5 | ۶ د ۲ م | 6.5 7.1 | | 6.0 | 5.5 7.4 | <u> </u> |
| ≥ 4500 ≥ 4000 | • 7 | 7 . 11 | 7. 4) | | 7 . 1 | 7.5 | 7.3 8.1 | | 7.9 | 7.5 | 7.5 | 7.3 | • 1 | 7.4 | 9.4 | I • 1 |
| ≥ 3500 ≥ 3000 | | 1 | . 1 | · 1 | 7.L | 3.4 12.3 | 9.4 12.7 | 7.4 | %.4 12.* | 2.4 | 0.4 13.3 | 5.4 17.3 | , t ₄ | 0.7 | 2.7 | 7 |
| ≥ 2500 ≥ 2000 | | 15. | 1 . 2 | 11.5 | 17.2 | 17.5 | 17.9 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 23.6 | | 17.8 | 17.5 17.5 | . <u>1</u> 0.5 |
| ≥ 1800 ≥ 1500 | | .4. | 39.2 | 27.5 | 24.8 | | 29.1 | 75.1 | | 29.1 | 2c . 1 | 27.1 | 36.5 | 79.5 | 28.5 28.5 | |
| ≥ 1200 ≥ 1000 | · · · · · · | · · · · · | 44. | 41.1 | 5.7.10 | · 3 · 4 | 34.1 | 54.7 | 54.7 | 54.7 | 54.7 | | 33.0 | 15. | 9.8 ± 2 5 • 3 • • • • | . 44 e <u>î</u> 35 e 65 - 7 |
| ≥ 900 ≥ 800 | | 3.7 | 34.4 | 5 . 3 | 65.7 | 72.2 | 64.7 55.6 77.5 | 5.4 | 48.3 | 69.3 | 69.3 | 64.3 | <u>. v: • f</u> | . <u>65 • 7,</u> €9 • 6; | 69.6 | (5.7 |
| ≥ 700 ≥ 600 | | 47. | 57.1 57.1 | (4.7) (5.6) 73.1 | + | | | 79. | 77.0 | 74.4 | 75.7 | 74.4 | 75.3 | . <u>74 • 8</u> . 79 • 3 | 79.3 | 74.5 |
| ≥ 500 ≥ 400 | | • | 5 . 1 | 71.1 | 95.0 | | | 35.1 | • • | 91.5 | | 92.2 | 92.5 | 72.€ | 92.6 | 72.0 |
| ≥ 300 ≥ 200 | • | | 54.7 | 74.6 | 91.7 | 3.2 3.5 | 45.E | 5.5 | 37.6 | 95.5 | 34 . u | 95.5 | 96.1 | 75 • 1 78 • 7 9 • 7 | 96.7 | C 5.7 |
| ≥ 100 ≥ 0 | 7 | 4.7. | 64.7 | 72.0 | 71. | 3.3 | 96.1 96.1 | | | 1) 4 . ! | | | 20.0 | 3.00 | 99.7 100.7 100.6 | F: 1 |

| TOTAL | NUMBER | OF | OBSERVATIONS |
|-------|--------|----|---------------------|

DIRNAVOCEANMET SMOS

##

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .ES) | | | | | | | | | | | | | | | |
|-----------------------|----------------|------------------------------|----------------------------|--------------|----------------------|----------------|--------------------|--------------------|----------------|----------------|-----------------------|---------------------|-------------------------|--|-----------------------|---------------------|--|--|--|--|--|--|--|--|--|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 114 | ≥ 1% | ≥1 | ≥ 1, | ≥ 4 | ≥ 4, | ≥ 5/16 | ≥ ,, | ≥ 0 | | | | | | | | | |
| NO CEILING ≥ 20000 | : • | : • » | 7.5 | .2 | 7. | 3 | 7.01 | | 7 . F | | 7 . f . | 3. | | | 3.4 _3.0. | • | | | | | | | | | |
| ≥ 18000 ≥ 16000 | | 4.7 | | 4.2 | 4.5 | 4.5 | и.я и. <i>я</i> | 4.3 | 44 . 1 | 4 | ų . s | 4. | | 4.5. | 1 | | | | | | | | | | |
| ≥ 14000 ≥ 12000 | 1. | 4.7 | 9 . 기 | 1. • d | 4. | 4.7 | t 4 | 4 ° | 4. | 4.cl | 9.7 | ξς . 13 44 | | 4 . 5 | د . د . په | | | | | | | | | | |
| ≥ 10000 ≥ 9000 | | 4. | 4. " | 4.5 | 4.0 3.0 | 4 • ° | · .? | : •21 :•5 | | | 7.7 5.5 | | , - , 7 | | 1.5 | | | | | | | | | | |
| ≥ 8000 ≥ 7000 | i • ` | 14 . 7 . ut | ्र • ¹ 2 • म | 7.4 | 7.7 | 5 • : 7 • 7 | 6. i | • . 3 | 「.r | . 1 | F.F. | ۲. ° | 1 | 5. | €.€ 3.1. | • | | | | | | | | | |
| ≥ 6000 ≥ 5000 | • | 7.4 | ٠. ٠ | / . u | 7.7 | 7.7 | F • 1 | 2.1 | 7 • 1 7 • 7 | · • i 9 • 7 | ° • 1 • • 7 | | . 1 | 3.1 2.7 | •1 - 2 • 1 | · · · ? | | | | | | | | | |
| ≥ 4500 ≥ 4000 | | ं 9 • च | 1 • 1 | 1 . 3 | 13.7 | 10.5 10.7 | 10.7 | 11.3 | 10.7 | 11.0 | 17.7 | 11.7 | 11.07 | 10.5 | 10.: 11. | 11.1 | | | | | | | | | |
| ≥ 3500 ≥ 3000 | en • ° F• F | 11. 13. <u>1</u> 1 | 11. | 11 12.6. | 11. | 13.3 | 11.5 | 14.2 | 11.5 | 14.2 | 11.6 | 11.5 | 11.5 | 11.6 | 11.5 [4.7] | 11.' | | | | | | | | | |
| ≥ 2500 ≥ 2000 | <u> </u> | 15. | 16.1 21.1 | 16.5 | 27.7 | 16.5 | 17.1 24.7 | 17.1 | 17.1 38.7 | 24.7 | 17.1 | 17.1 <u>24.2</u> | 17.1 | 17.1 | 17.1 | 20.0 | | | | | | | | | |
| ≥ 1800 ≥ 1500 | | 5 · · · | 47.7 | 27.1 24.0 | 45 - 1 | 45.1 | 20.L | 4 . 3 | 20.4 | 27.4 47.4 | 20,4 47.1 | 27.4 47.1 | 47.1 | 33.4 [47.1] | 27.1 | 47.1 | | | | | | | | | |
| ≥ 1200 ≥ 1000 | • | * 1 • * · · | 37.7 | e | 35.€. <u>63.€</u> | 5. : | 57.4 | • 7 • 7 • 7 • 4 | 67.5 | 57.7 | 36.1 <u>67.7</u> , | 51.1 67.7 | . 57.1 [| ⊼ξ•} ',≟7•₹, | 5° • 1 57 • 7. | 7.7 | | | | | | | | | |
| ≥ 900 ≥ 800 | 3 • 1 | • 45 • ° | 5 - 4 | 61.6 65.8 | 71. | 72.3 | 74.5 | 73.0 76.5 | 75.8 | 70.3 | 77.1 | 77.1 | 77.1 | . <u></u> . <u></u> . | 77.4 | 77.7 | | | | | | | | | |
| ≥ 700 ≥ 600 | | 49.7 | 61.7 | 71.3 | 74 • ! 7 • i | 78 • £ | 79.0 | 7.0 | 27.7 | 44.2 | 14.2 | 24. | 1 • 1 • <u>• • •</u> | ી.કારે નુક્ષું•હું. | ા ૧ . કુમ ∍ 5. | 1 • 4 | | | | | | | | | |
| ≥ 500 ≥ 400 | | | 1, 2. 3 | 73.9 | 73.3 51.0 | 73.7 | 32.4 | 90.7 | 5 . 7 | 91.9 | 61.5 | 91.3 | 1 2 . 7 2 . 9 . 9 | 21.9. | 98.5 98.1. | | | | | | | | | | |
| ≥ 300 ≥ 200 | 11.0 | 7 | 6 3 3 | 75.0 | 81.7 | 73.5 4.: | 70.5 | 13.2 | 93.2 | 25.5 | 26.5 | 94.5 | 95.5 | ଼ ବ ୟ ାଞ୍ଚ <u>୍ଟିଷ୍ଟ୍ର</u> ି | 97 • 1 | 57 • 1 | | | | | | | | | |
| ≥ 100 ≥ 0 | 6 • | 7 | · • | 73.0 | 변경• 3 변경•조 | 4.0 | 97.7 | 3.? | 93.7 91.2 | 35.5 31.3 | 97.1 97.1 | 97.1 97.1 | 57.7 93.1 | 97.7 78.4 | 26.0 | ი.ი <u>ი</u> ლაე | | | | | | | | | |

| TOTAL NUMBER OF ORSERVATIONS | . 1 |
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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO.

NAVAL WEATHER SERVICE DETACHDENT, AGREVIETE NO

CEILING VERSUS VISIBILITY

STATION NAME PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY DESERVATIONS)

| CEILING (FEET CEILING 20000 | ≥ 10 | | | | | | W13 | | ATUTE MILE | | | | | | | 3 |
|-------------------------------|---------|---------------------|--------------------------|------------|---------|----------------|--------------------------------------|----------------|---|------------|---------------|--------------|-------------|---|------------------|----------------|
| CEILING | ≥ 10 | | | | | | | | | | <u>></u> % | 2 W | ≥ 19 | ≥ 5 16 | ≥ . | 20 |
| CEILING | 2 10 | ≥ 6 | ≥ 5 | 2 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 115 | ≥ 11. | <u>≥ 1</u> | | | | • • | | • |
| CEILING | | | | ٠ | ۲ | | 2 50 | • | ار • ا | . • . • | • | | | ومعدد ي | | • 1 |
| | 1 • | 14 • 4 ¦ 15 • 12 | | | | 30 | 2 | • 1 | | n • 1 | . 1 | · · 1 | • 1 | المعا | 1. 2. 2. | : |
| ≥ 18000 | | °. • | | | |) <u></u> | • | 11 5.23 | خسند | بنعنب | بنعنب | شفیہ لوات | ~ ~#^ | 1 | · • i | * • • |
| ≥ 16000 | _فف_ | | - | - | - | | $\overline{1}_1$ $i \cdot \bullet$. | 1, + • 1 | * • * | شفع | . فئر | | | <u> </u> | * • | |
| ≥ 14000 ≥ 12000 | • |) K.∎ 1 £ | | 1 | 1 . | <u> </u> | | | بالم | | 7 . 1 | | | | ~ . | |
| ≥ 10000 | | , . | . 1 . | • | | | 1 | 41 70 | 7 . 4 | | | | | | • ' | • |
| ≥ 9000 | | 10 | | | | 1, | | 3 ¹ | 4 | | | 112 | . 11. | | | |
| ≥ 8000 | • | 9 3.3 • | i | 111 | علفا | 7 11 | | | العقف ا | 110 | 11. | 11. | | 11. | 11. | 1 |
| ≥ 7000 | | 7 77. | 11. | 11. | 11. | 7 11 6 11 | ! | | 17. | 1 | 1-0 | | | | 1 | |
| > 6000 > 5000 | • | | 41. | <u>-</u> - | 3 1 · • | 3- | 17 | • • • • | | 1 1 e | 1 . | | • | 1. | | • |
| ≥ 4500 | | 1 1 2 | 1 | | , 17 | | | | ++- | | ! • | 7. | i . i | | | ; ; |
| ≥ 4000 | | | | | | .0 15 .) 17 | | | 1 1 | 1 1:0 | 1 17. | 1 1 | | 1. | .1. | • |
| ≥ 3500 ≥ 3000 | | 1 1 · | | | 7-37 | | | . 1. | ্টি <u>।</u> | 21 | | | | | • | |
| ≥ 2500 | | | | e . | 7 70 | | 13 | | + | - 3 | r ji | , , , | | | | , . |
| ≥ 2000 | 1 | | 731 | * 4 2 5 | • 11 1 | • • | | | | 1 539 | | | | | · (u | , |
| ≥ 1800 ≥ 1500 | 1 | • <u>1</u> | • 1 - 1 | | · 7 5 5 | | 3.4 64 | _ | | | 1, 7 | .1 77 | 1 | . i. 🧺 • | 1 77 | , 1 |
| ≥ 1700 | 1 . | • 1 4 A | •# • 11 5€ | | ~ ~ | | 7 7 7 | | 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | - | | • | • 11 | • " • • • • • • • • • • • • • • • • • • | . , , | • • 4 - 5 • |
| ≥ 1000 }- | | 1 | 15 | | 76 | | | | . K 3 | | | | • | 7 7 1 | | • 6 |
| ≥ 900 ≥ 800 | | 3 | 1 4: | | | | 2.0 6 | 4 | 15 F | • () 3 | | | C13 3 | u. 1 | • 1 | * 4 |
| ≥ 700 | 1. | . 1 | e k oo Legita | • | | 3.0.3 | | | *** | | 1 | | | . 1 90 | . 1 50 | • • • |
| > 600 | 1 | | **** | 1 0 | . † 1 | | | . • 1 | b . 4 , 4 | | - , | | | | • | 1.0 |
| ≥ 500 ≥ 400 | | | 1.4 万 | | 1 | 3. | 1 | · 1 | 1 7 1 | | | . 4 | 0 | 7 . 4 4 | . 4 4 | * . #1. |
| ≥ 300 > 200 | | • 1 | • | ~ · · · · | 7 0 | 5. | | 8 | 1.04 5 | 1 4 4 | 3 . 4 | | | | | 913 |
| ≥ 100 | · + - + | | + : 中下 : 4 : 3 | - 4 | - 1 | | | 34.7 | 0.3 6 | · · A & | | | | VATIONS_ | | |

MAJA, WEATHER BEHAVIOR RETACHMENT ASHENELS NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | BILITY (ST | ATUTE MIL | ESI | | | | | | |
|---------------------------|--------|---------|-----------------|------------------------|---|---|-----------------|--|---------------------------------------|--|---|--------------|-------|---------------------|-----------|-------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2'3 | ≥ 2 | ביו ≤ | ≥ 1. | ≥ 1 | ≥ ¼ | ≥ 4, | 2 15 | ≥ 5 16 | ≥ . | · ≥ 0 |
| NO CEILING ≥ 20000 | | | | | • • | 1, 1 | | | • | | • | | - | • | • | • |
| ≥ 18000 ≥ 16000 | 1 • 1 | 4.1 | - | • 7 | • 1 | • | * • ?! * • ? | • • | | • | • | • | • | | • | • |
| ≥ 14000 ≥ 12000 | ; • | (a , | | • • 1 | . 1 | 1 1 | | •. • <u>•</u> 1. | • 3 | • | • | • | • | | • | • |
| ≥ 10000 ≥ 9000 | • * | | • | • 1 | · • * | * • 1 * • * | • • | • • • | | | · · · · · · | | | . • | • • • | |
| ≥ 8000 ≥ 7000 |). | • 7 | • • | . 4 | • · · · · · · · · · · · · · · · · · · · | · • · · · · · · · · · · · · · · · · · · | • | - 5 - 7 | • • | | • t. - <u>• •</u> • • | 7 | • | • ** • * * • • • | 7.7 | • • • |
| ≥ 6000 ≥ 5000 | •). | | 1 . | | 11. | 11.3 | 11. | 11. | . <u> </u> | | 17. | 11.7 _1.• | 11.7 | 11. | 11. | |
| ≥ 4500 ≥ 4000 | • | | | • | | 12.0 13.1 | | 1.3.4 | · · · · · · · · · · · · · · · · · · · | • | 1 | | | | | |
| ≥ 3500 ≥ 3000 | | -7•1 | 1 . 4 | · , • 1, | 1 • | | | 7 | 1 | 1 | | | | |] F . 7 | |
| ≥ 2500 ≥ 2000 | | | | • | 31. | | 31. | | 7 • • 7 | ? - • ~ . | | • | • | . ~ . | | |
| ≥ 1800 ≥ 1500 | • | 1., | • | | 11. | 1 | 6.1 • · · | | | • " - 0 • • • • • • • • • • • • • • • • • • | | | • | • | | |
| ≥ 1200 ≥ 1000 ≥ 900 | - , | , | | 7 | 77 | 7 . 4 | 7 | | | | • . | • | | • | • | • |
| ≥ 800 | | | 11.4 | 77.1 | | | | 15 • 5 · 5 · 7 · 7 · 7 · 7 · 7 · 7 · 7 · 7 · | <u>, - , -</u> | (h | · · · · · · · · · · · · · · · · · · · | | . 7 | | : :::: | |
| ≥ 700 ≥ 600 ≥ 500 | 1 | - 1 · 1 | 7 | - <u>- 12 - 12 - 1</u> | | 1. | 22 | | | | | | | | : 1 | |
| ≥ 400 | | | でも。 で、 で、 | = | 71. | $-\frac{1}{1}\frac{\cdot}{\cdot}$. | | • 4 • 7 | 49.7 L | 37.7. | 7 7 7 31 1 | 7.7. 7.1 | 7 . 7 | 7.7 | ., | |
| ≥ 200 | | 7.1 | 7 4 . 2 7 4 | | 91.1 31.3 | 1 | - - | <u>•</u> • • • | == : ; | | 60 16 E | 26 <u></u> | , | | -0.4 | |
| ≥ 100 ≥ 0 | .1. | | 74.7 | 77.5 | | 1. | 100 | - i | | 54.7 | | 5 7 . 4 | 9 | نَّى وَ الْمُ | <u> </u> | |

MALAS MEATHER SERVICE DETAILS WELL ASSESSED.

CEILING VERSUS VISIBILITY

H21.85 1.5 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING FEET | | | VISIBILITY STATUTE MILES | | | | | | | | | | | | | |
|-----------------------|------|------|--------------------------|---------------------------------------|-------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---|---|---------------------------------------|----------------|----------------|----------------------------------|---|---|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1'7 | ≥ 1. | ≥ 1 | ≥ ¼ | ≥ 4 | ≥ '7 | ≥ 5 16 | ≥ . | 20 |
| NO CEILING ≥ 20000 | • | _• | | • | • | | | <u> </u> | | • | | • | • | | • | • |
| ≥ 18000 ≥ 16000 | • | | | • • • • • • • • • • • • • • • • • • • | | 29 | • | • | • | | • | • | • ' • ' | | • | • |
| ≥ 14000 ≥ 12000 | • | | | | | · • | · · · · · · · · · · · · · · · · · · · | • | • | • • • | , . . | | • | • | • | • |
| ≥ 10000 ≥ 9000 | • | | • • | 7.6 7.6 | · • • - · • • • | 7 . 4 - 7 . 54 | | | | ··· | "。"· | | • ^t | "• • "•". | | |
| ≥ 8000 ≥ 7000 | • | • • | • 1 | • • | • 1 • 2 | | • : • · | • 1 /• 1. | • • • • • | • i • :. | • 1 | | • î • : • 4 | | • • • • | • • |
| ≥ 6000 ≥ 5000 | • | • • | • ' | • 1. | • ' :: | | · ' | <u>.</u> | | • i | •] | · · · · | • • | | • | |
| ≥ 4500 ≥ 4000 | • | . 1. | | · · · · · · · · · · · · · · · · · · · | • | | 11. | | 11. | : !}• | | 11 | | . <u> </u> | | 1 |
| ≥ 3500 ≥ 3000 | • | • • | 1 • 1 | | • | | 1 | | 1 • T | 1 | 1 • ' 1 • | 1 | | | | • |
| ≥ 2500 ≥ 2000 | • | | | • | | . ? <u>.</u> . ? | · · · · · · · · · · · · · · · · · · · | | • | • | 11. 11 | 1. | 1.0 | . i. | | 1 • |
| ≥ 1800 ≥ 1500 | • | • | | · <u>1</u> | • | • | . ? ° • . 7 _ * :• | • | 1. | * • * * * * * * * * * * * * * * * * * * | | • | 1.7 | | | • |
| ≥ 1200 ≥ 1000 | • | • | • | • • | | 5.1 4.00 | (7.4 ?'•' | • 1 | • 1 | 77.7 | | 77.7 | 7 | | 7 | |
| ≥ 900 ≥ 800 | • ′ | • | • | | 70 • 1 70 • 1 | 19.7 19.7 | 79.1 <u>97</u> .1. | · · · · · · · · · · · · · · · · · · · | • | · · | | 4. | • | | • | • |
| ≥ 700 ≥ 600 | • | • | • _ | · · · | 1.5 1.12 <u>-1.</u> | .? • ′ + | 68.5 27.€ | 7.4 | . 1.*. _1.ĭ.±1 | • 1. | * 5 · 7. | | • • | | | |
| ≥ 500 ≥ 400 | • | • | | | / | · · · · · · · · · · · · · · · · · · · | 1. | | · ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; | | * G * S | 19.3 12.20. | • | | 57.5 | * • • • • • • • • • • • • • • • • • • • |
| ≥ 300 ≥ 200 | • | | | • | | <u>.</u> | 06. | | 4 • • • • • • • • • • • • • • • • • • • | 96.4 97.7 | · · · · · · · · · · · · · · · · · · · | 5 • 6 5 • 7 | 7 | . 17.73 | ۶ ۶.۳ اور ۱۳۰ | |
| ≥ 100 ≥ 0 | • | • | | • | | 1. | | • | | 07.7 77.7 | 71 . 7 22 . 7 | 59.7 59.7 | ."^•₹ | 1 () • () 1 () • () • () | | |

| TOTAL NUMBER | OF CASERVATIONS | |
|--------------|-----------------|--|

DIRNAVOCEANMET 5M05

CEILING VERSUS VISIBILITY

| | | | | | | FREQ HOUR | | | | | t | | | | HOURS | |
|------------------|----------------------------|----------------|----------------|-------------|------------|--------------|-------------|---------------|----------|-----------------------------------|------|------|--------|--------|-------|-----|
| CEILING | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2'5 | ≥ 2 | ≥ 11, | ≥ 1'. | ≥ 1 | ≥ ¼ | ≥ 4 | בי ≤ | ≥ 5 16 | ٤. | Ž |
| NO CEILING | • | | | | • | • : | | | | • | • | 1.1 | • | · . | , . | - |
| ≥ 20000 | • _ | . • | | · • | <u>.</u> | | | • . | • | <u> </u> | • . | 2.0 | | • . | | |
| ≥ 18000 | • | • 1 | • . | • 1 | • ` | • 1 | • 1 | | 1 | • | • i | • | • ` | | ٠. | - |
| ≥ 16000 | • | • 1 | • 1 | • 1 | <u>.</u> 1 | • . | • , | • 1 | • 1 | • 4. | • 1 | • 5 | · • 1 | | • ' | |
| ≥ 14000 | | • | | • . | | • | • | • 1 | • | • | • ` | • 3 | | | • . | - |
| ≥ 12000 | • | • ' | • | | | 1 × 1 | | • | • . | • . | • ' | • . | | | | |
| | • | ′ • | • | • | 7. | | • | • | | | • | | | • | | • |
| ≥ 9000 | | f . | | | | · . • | | | | 5. | | , . | • | | | |
| ≥ 8000 | • | • | 7.7 | | • | · -, . | | | • | 7., | , H | | | | * | |
| ≥ 7000 | | • • | | | | . 1 | | | . 7 | • | | | | | | |
| ≥ 6000 | • | | • | ٠ . | · · · | | | | • | ,- | | | · | | | • |
| ≥ 5000 | | | • | | | | | | . :: | . 7 | | . 7 | - | | | |
| ≥ 4500 | • | • ^च | | . 7 | | | - a- | | · •' | | | 400 | | | | ٠, |
| ≥ 4000 ≥ 4000 | | 7 | | | 1 | | 1 | | | | | | | | | : |
| ≥ 3500 | | | | • • • • • • | 17 | | | | 11. | | | | | | | |
| ≥ 3000 ≥ 3000 | | | | | | | | | | | | | • • • | | | |
| | | | | | 1 | | | | | | | | • • • | | , , | |
| ≥ 2500 ≥ 2000 | | • | | 4. | | | 1 | | • | | | • | • | | , | |
| | | - | | | | | - | | • • | | | | • | | | - |
| ≥ 1800 ≥ 1500 | | • | | | | 1 | | | | • | • | | • . | | • | |
| | | | | · - ; • - | | | | | • | | • | • | • | | • | |
| ≥ 1700 ≥ 1000 | • | | | • | • | | • | • | , • | | • | • | T = - | - | • | ~ |
| _ | • • | • | • | • | • 1 | | 7,= | - , . • • • • | | • | ٠,٠ | • | • • | • | • • • | |
| ≥ 900 ≥ 800 | • | • | • | , • 1 | | • | | • | | • • | • : | • | 1 • 1 | • | • | |
| _ 830 | , | | · • . | ٠ | . | | · · · · · · | | <u> </u> | | • • | | • . | . • . | • | |
| ≥ 700 | • | • | • | | • | 7.1 | Ξ.~ | . • • | • | | • | • • | • * | . • | . • * | |
| ≥ 600 | . | "··· | • ! | | . * ,• | • | | | ٠.٠٠ | • • | • • | • 1 | • | | 7 . | |
| ≥ 500 | • • | 10.0 | • | • • | • | *• • - | • | | 1 | • | 9.7 | • | • | • | • | |
| ≥ 400 | • | | . <u>[</u> .•] | | • • | | • . | • | • | • . • . • . • . • . • . • . • . • | • 1. | • | . • 1. | • . | • | |
| ≥ 300 | • | • | 7 . ' | • 1, | • : | 7.7 | ∀ • | ٠. ٩ | ~ ~ • ' | - : • 7 | • 7 | `• 7 | 7 | • ` | | |
| ≥ 200 | · | · | | | | | | • <i>'</i> - | | .33.7. | | . 7 | | | *** | |
| ≥ 100 | • | • | | • 3 | | | • | | | | | • 1 | ٠ | | . ``. | V - |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMUS

14

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOLAS ... S T

| CEILING | | | | | | | Vis | BILITY (ST | ATUTE MIL | .ES) | | | | | | |
|--------------------|--------|------|--------------------|--------------------|---------|------------------------|-------|--------------|-----------|------------|------|------------------------|---------------------------------------|--------------|-----------|-------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 114 | ≥ 11. | ≥ 1 | ≥ 2. | ≥ % | ≥ % | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING | • | 45.6 | • | 4. | | 4. | | • 1, | | | | V | 1 (| 4. | u , 3 | i |
| ≥ 20000 | | | | 3 | | | | | • * | • | | | | | | |
| ≥ 18000 ≥ 16000 | • 1 | · • | • . | • * | | 5. 5.1 | | | • *: | • | | • • | | • • | 1.° | |
| ≥ 14000 ≥ 12000 | • 1 | | • | t. | | | · • | • | • | | • | | `• f | • 1 5 • 1 | ٠, ٠,٠ | • : |
| ≥ 10000 ≥ 9000 | | | • 1 | • | . 1 | · * | | • . | ÷ • 1 | • | . 1 | . 1 | 1 . 1 | | | |
| ≥ 8000 ≥ 7000 | | 7.3 | • | - • | | | 7. | | | 7. | | | , | | 7.7 | • |
| ≥ 6000 ≥ 5000 | o onig | | • 1 | | • : | حدد. د • د د • د | • •) | , 1 | | • 1 | | · • ! | 7 | 7.7 | | • |
| ≥ 4500 > 4000 | | | | | | 17 | 100 | 1' • . | | | 1 | = (= (₁) | · · · · · · · · · · · · · · · · · · · | | | |
| ≥ 3500 ≥ 3000 | | | _ | 7 | 11.5 | 11. | :1. | 11 | | 1). | | | 11.5 | | 11.3 | 11. |
| ≥ 2500 ≥ 2000 | | | 1 | | | | 1 | 1 | 1 | | | 1 | 1 1 1 | | 1 1 | 1 . 1 |
| ≥ 1800 ≥ 1500 | | | 37.1 | 1.1 | 27.4 | 7 | 7.4 | 7.4 | 7 | 7.6 | 7.0 | | | 7.7 | 17.7 | 77.7 |
| ≥ 1200 ≥ 1000 | · | | + 1 | . 1 | 11.1 | 1.7 | 1.3 | | • | | 1 - | | 7 | 1 | 1. | |
| ≥ 900 ≥ 800 | | | | - 1.7.5 - 1.5.1 | 71. | 3. | 74.3 | 7 6.5 | 74.5 | 57 74.* | 70.5 | 74.5 | 1 4 . T | 4 | 74.5 | |
| ≥ 700 ≥ 600 | • | 1. | | 7 | 7 d • 0 | 75. | 77.4 | 77.7 | 7 7 7 | 75.1 | 7-1 | 7 .1 | 7.4 | 7 | 70.4 | |
| ≥ 500 ≥ 400 | • • | | 51.1 | 7 | | 2.5 | 17.1 | | | 15 . s | 61.6 | 37.6 | | (5.5° | | • |
| ≥ 300 ≥ 200 | • | · , | 5 • 1 | ري ۾ . | 63.0 | 7.1 | 41.7 | | | * . • ! | • | 97.5 | . 1 | 26.1 | 69. | • 1 |
| ≥ 100 ≥ 0 | • | | 4. 1. 1 4. 1. 1 | 77.1 | 15. | 7.1 | | اد و ا | • | 77.7 | ÷ 1 | 9 1 1 | 10.4 13.4 | 50.4 | 70.7 | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

11

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | .E5) | | | · · · | | | |
|-----------------------|-------|----------|----------------|-----------------|--------------|--------|------------|------------------|---|---------|--------------|-----------------------|-----------------------|-------------|----------------------|---------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/5 | ≥ 1% | ≥ 1 | ≥ ઢ, | ≥ 4 | ≥ % | ≥ 5/16 | ≥ '• | ≥ 0 |
| NO CEILING | : • ! | ÷1 | •• | ٠.٠ | 4 . 4 | 4.1 | 4 . 12 | 9.5 | 4. | ·+ • | 4 . 4 | 4. | , | 4.7 | 4.7 | u . |
| ≥ 20000 | 3 - 1 | li 🕡 | ٠٠. ٦ | | • 4 | - 1 | 7.1 | 7.1 | - 1 | • 1 | • ì | | • | • • | _5.2 | • . |
| ≥ 18000 ≥ 16000 | 1.1 | | • 1 | * . 4 | fi | • • | ្តី • ព | | 2 # € • € | • 0 | 5.4 | ″ • : - • • | | 5.7 | 5 . 1 5 . 7 | • |
| ≥ 14000 ≥ 12000 | 1. | | | | • 0 | K • 1 | . 4 | . t | | | • • | • 6 | . 7 | | 7 | |
| | : | | | | | | · · · · | 1.0 | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | | 5 . 3 | | 2. 1 | • | |
| ≥ 10000 ≥ 9000 | 1 • 1 | | | 2 • 1 7 • 1∤ | 4 | 5. | (. • . | . • ≥ | | | 5 P | • 1 | | ` • | 0.4 | |
| ≥ 800C | . • | . • (| 7 | • 7 | 0.4 | G 6 1 | 4.4 | | | V • 7 | 4.0 | ? | • • • | 7. | 7. | ٠. |
| ≥ 7000 | . 1 | | | • 4 | | | ^ • T | • =, | • • | 3 | • 5 | | | <u> </u> | ્ર ૧,∙ દ | • • |
| ≥ 6000 ≥ 5000 | • 1 | • | . 1 | | | ! ! | ?• ₽•₹ | • | | ا م | | 91 . 3 | 1 . 1 | 9.1 | 9.1 | • • |
| | I | | :1 | | 17.3 | 77. | 17.5 | 1 | | | 77.7 | | 17.3 | • | | |
| ≥ 4500 ≥ 4000 | . ! | 16.1 | 1 | 1 . 6 | 1 . 7 | | 11.0 | 1 . 9 | 11.0 | 10.0 | | 1 | 11.0 | 11.0 | 11. | 11. |
| ≥ 3500 ≥ 3000 | • 1 | 14.1 | 11. | 1 1 1 | 1 . 7 | 19.0 | 17.3 | 12.5 | 1 | 1 | 7 | 14.3 | 4 | 1. • • | 1.7 | 1 |
| ··· | ., | 7 | 1 | | | | 1 | | + | - | 10.7 | | | 15.4 | 12.4 | |
| ≥ 2500 ≥ 2000 | 4 | | 27.1 | 27.3 | î | 1 | 20.6 | 25.7 | . 7 | 2.1 | 50.7 | 7 | P | 10 | ء ن | |
| ≥ 1800 > 1500 | • 1 | | 3 7 . 4 | | | 3.1 | 37.6 | 77.5 | | 27.5 | 33. | 31.5 | 17.6 | 33. | 23.6 | * 4 . 4 |
| - 5 | | - 1 | - 1 | | | 19. | | | | | | 3 | | | 1. | 1.1 |
| ≥ 1200 ≥ 1000 | • 1 | | | 54 | 67.7 | E o la | 7 | | • | 71. | 71.5 | 71. | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 900 ≥ 800 | • 1 | [] [] [] | | 7 1 | 7 . (1 | 76.1 | 73.4 | 76.3 | 74.7 | 74.4 | 74.2 | 7 . 7 | 74.5 | 74.5 | 74.5 | 76. |
| ≥ 700 | | | | 7: .7 | 77.3 | 79.3 | 1.7 | . 0 | 5 2 6 | 1 1 . 3 | F 3. 7 | 1 1 3 | - 4 | ٠ | | 7 . (|
| ≥ 600 | : • 1 | | <u> </u> | 79.7 | 31.7 | 7.1 | - 6 - 1 | 17.3 | < ? • ? | | 37.9 | ₹7.0 | | : B • °. | <u></u> | • • 1 |
| ≥ 500 ≥ 400 | • 1 | • 1 | 6 . 4 | 7 | ρί•¶ σί•₽ | 6.3 | 97.5 | ં કે જે | 51.0 74.1 | G 2 6 | 97.0 97.4 | 91.9 | ່ - ₹ • Ω - ຕາ _ ຄ | 35.6 | 95.1 95.6 | T + 1 |
| ≥ 300 ≥ 200 | • 1 | • | 57.5 | 7 1 | 22.5 | 29.7 | · | 14.2 | • - | 66.3 | 57.1 | | 7.7 | 47.1 | 97.5 | 27.0 |
| ≥ 100 ≥ 100 ≥ 0 | : | | 6 . 7 | 7.0 | | 100 | 34.4 | /4 • 3 /* • 5 | 76.6 33.6 36.6 | 35.4 | 30.0 | ر 🔭 د | - | ^7.5 5.6 | 39.0 39.7 00.8 | 09.7 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHNESS. A HENCLE INC.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MILI | ES) | | | | | | |
|----------------|-------|----------------|-----------|---------------------------------------|--------------------|-----------------|---------------|------------------|---------------------------------------|-------------------|---------------------------------------|------------------|----------------|--------------|-------------------|---|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 11/3 | ≥ 11. | ≥ 1 | ≥ ಒ | ≥ 4, | ≥ % | ≥ 5/16 | ≥ 1, | ≥ 0 |
| NO CEILING | • 7 | 12.1 | 1 | 7 | , . . . | 12.7 | 1 7. | | 12.7 | 1 | 1 - 7 | 3 7 . 7 | i * • ? | 17.7 | 12.7 | 1 • |
| ≥ 20000 | • 1 | 1.5.7 | 1. | | i • * | 13.1 | 13.7 | 1 3 5 . 7 | 13.7 | 17.7 | 17.7 | 11.7 | 13.7 | 13.7 | 17.7 | . 12.2 |
| ≥ 18000 | 1. | 1.5 | - i - i | | 1. | 1 | 17.0 | 1 ! | 1 : • : 1 | 1 | 12.0 | 1:00 | 1 . | 1 17.1 | 15.0 | 15.4 |
| [≥ 16000] | '• " | - 1 • <u>1</u> | 1 • | 1 • 1 | 1 . ! | | 1 . | 1 1 | 7 | 1 • 1 | 15.4 | 1 • 4 | 1 • 1 | <u> 15.4</u> | 1 7 | 11. |
| ≥ 14000 | 1. | 1 1 | 1 • [] | 1 . • 1 | 1'•1 | · 1 | 1.5 | 10.1 | 1 | 1. • 1 | 15.7 | 13.0 | j " • ^ | 1 15. i | 15.7 | i '. • ' |
| ≥ 12000 | 1. | i • 1 | 1. | 1 | 1 • 1 | 10.1 | 1 7 . 7 | 1 | 1 . 3 | 1 . ; | 1: • * | 1 : . 3 | 15.3 | <u> 15.3</u> | <u> </u> | 11. |
| ≥ 10000 | 1.0 | 10.3 | 1 - 4 | 1 | 10.4 | 36.3 | 10.0 | 15.1 | 14.4건 | 10.5 | 15.3 | 11:5 | 25.3 | 1: • 1 | 16.7 | 1 |
| ≥ 9000 | · · · | 1:07 | 1 . 7 | 10.7 | 1 . 7 | 10. | 1 . | 1 . 7 | 36.7 | 1 7 | 11.7 | 1 7 | 1 : . 7 | 1 7 | 11.7 | 11. 2 |
| ≥ 8000 | 1.47 | 17. | 1 1 | 17.9 | 17.0 | 17.3 | 17. | 1 1 1 - 1 | 17.7 | 17 • (| 1 🕶 🔊 | 17.3 | 17.5 | 17. | 17.0 | 1 . |
| ≥ 7000 | 1 •] | 1. | 1 . 7 | 2 | 1 . | 13.1 | 1 . | 1 - 1 | 13.1 | 1 | ! •] | 1 | 1 - • 1 | 1 | 1 1 | |
| ≥ 6000 | 1 • 1 | 1 4 . 3 | 1 . 1 | 1 | 1 7 | 10.4 | 3 . • 7 | " 1 '• † | 1 • 1 | 1 . 3 | 10.3 | 12.2 | 150 | 18.5 | 19.3 | 1 . 4 |
| ≥ 5000 | 1. | 1 . | | 1 - 1 | 18.7 | 18. | 1 5. | 1 • 1 | <u> </u> | 1001 | 1 • | 1 . | 1 5 • " | 13.7 | <u> 19.00</u> | 1.0 |
| ≥ 4500 | : • 1 | 17.1 | 1 7 | 1 7 | 1 " • " | 1.7.7 | 1 4 - 7 | 1 1 7 | 1 . • 7 | 13.7 | 1 7 . 7 | 19.7 | 1 5 . 7 | " 10.7 | 15.7 | 2 ? |
| ≥ 4000 | | _ 11 • 1 | 21.1 | 11.3 | 21.7 | 1.1 | .1. | 1-1-5 | <u> </u> | 11.1 | 1.7 | 11.5 | <u> </u> | | 21.3 | 21. |
| ≥ 3500 | 1. | " · • · ! | | - C → 3 | - ' | 0.1 | 26.0 | 76.43 | • * | 20 • 5 | 7 · 4 | 2 t • 31 | . • 3 | 1 € € € 5 | 28.3 | 66.1 |
| ≥ 3000 | • | 7.1 | 3. |] | 3 t 🕡 | 16. | 34.0 | 1 4 | 71. | _ <u>* • • •</u> | 3 . 1 | 34.0 | 36. <u> </u> | 7 | _34 ∙ ? | 34 |
| ≥ 2500 | 1.1 | .a. ik " ↑ | 4 5 . 7 | 7 | 1 to 1 to 2 | 45.7 | 45.7 | u7 | 40.7 | 45 47 | 4 | 45.7 | 4.5.3 | 45.7 | 45.7 | 45.7 |
| ≥ 2000 | • 1 | • • | 20.1 | , , , , , , , , , , , , , , , , , , , | . 6 <u>2•</u> ₹ | <u> </u> | 52. | 7 | <u> </u> | 7 | <u> </u> | . 5 <u> 7</u> | 5 <u>0.</u> 27 | . 42.67. | 5.2.7 | 1 to 2 • 1 |
| ≥ 1800 | | | • 1 | 7 | | 5 • 7 | 55.7 | 1 :5.7 | . " | 55 . 7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 15.7 |
| ≥ 1500 | • | <u>- </u> | 7: • 7 | | 7. • ** | <u> / 5 • 7</u> | 75.7 | 7 7 | 7 . 7 | 7:•7. | ** | 75 <u>•7</u> | | 25 • 71 | 7.5 • 7 | 7 7 |
| ≥ 1200 | `• ' | 3 | 77.1 | 3 . 3 | 71.7 | 1.7 | £2°•1 | 1 11 - 11 | · · · · · · · · · · · · · · · · · · · | - • . | 22 € 5 | A Table 1 | • 0 | 12.7 | P. S. • D. | • |
| ≥ 1000 | • | 16. |] | 3 . 7 | | | 7. 5 | ! · <u>? • </u> | 7.1 | _ <u>^7.7.•</u> ! | 7 - 1 | 1.7 | ?•] | 17.1 | ∴7•∷ | |
| ≥ 900 | ! | * 1 | 11.7 | 3 | • • • | 7.7 | ાદ ∙ " | | 30.7 | ਿ∴ •ੁ7ੈੱ | 90.7 | € ~ 7 | د ٠ , ٦ | " -3F • 7 | 38.7 | 1.3.7 |
| ≥ 800 | • | |] | | | 1.49 . 7 | 71. | 1 1 | 1.1 | 91.0 | 1.7 | 1.3 | 1.1 | 1 - 11 - 11 | . :J • ? | [] 1 • . [|
| ≥ 700 ≥ 600 |] • ! | 17.1 | ا" به دست | - { · • ₹ | 31.1 | 1.3 | 92.7 | | 7.3 | 7. • X | у ¯ • 7 | 92.7 | 7 | 23.7 | 7.7 | 7 · 7 |
| ≥ 600 | | | - 44 • 7 | 1.5 | | 3.3 | 9 = - | 7 | • | 9 7 | · · · · · · · · · · · · · · · · · · · | <u> 95.7</u> | 7 | <u> </u> | 3.7 | ^ * • 1 |
| ≥ 500 | | 7 • 1 | - d* •] | 1.7 | 4 - 3 | 4 . 5 | 77.3 | | აა• ქ | 71.7 | ~ P . 7 | 00. T | 30.7 | 1 69.7 | OR . 7 | - · · · · · · · · · · · · · · · · · · · |
| ≥ 400 | | | 3°• | 7001 | C-1, 7 | 4 , 7 | | • | | \$ 5 · 1 | <u> ६०•</u> □ | 75 .3 | 30°E | 39.7 | 85. | . ^ 6 • |
| ≥ 300 | • 1 | 7. | 4.4 | | ,4.7 | 4.7 | 77.7 | 70.3 | • 1 | 30.4 | ~ ? • id | 29.3 | A | 39.7 | 30.7 | - + + + t |
| ≥ 200 | | 77.7 | 3 • 7 | 25.4 | 94.7 | 4.7 | 93.3 | 27. | 3.1 | 7, 7 | - √ ₹ • ₹ | 79.7 | · · · · 7 | | _9.9 • <u>7</u> . | |
| ≥ 100 ≥ 0 | 1 •] | 77.7 | •] | 26 • □ | 96 . M | 4.7 | 38.3 | . • • • • | 65.7 | 29.7 | 29.7 | | • • | 4 4 9 . 7 | 29.1 | 11 |
| ≥ 0 | 1. | 77.1 | € * • * | 72. | 94 . 7 | 4.7 | 33.3 | 1 6 | 43.7 | ाद • व | 49.7 | 99.7 | | 69.7 | 20.7 | 1 |

TOTAL NUMBER OF OBSERVATIONS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (STA | ATUTE MI | LES) | · · · · · · · · · · · · · · · · · · · | | | | | |
|-----------------------|------------|---------|--------------|------------------|--------------|--------------|-----------------|---------------|--------------|---------------|---------------------------------------|--------------|------------------|----------------------------------|---------------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 114 | ≥ 1% | , ≥1 | ≥ 1/4 | ≥ % | ≥ % | ≥ 5/16 | ≥ 1, | ≥ 0 |
| NO CEILING ≥ 20000 | . 1 |] Y •] | 1 4 4 | 14.5 | 14. | 15.1 | 14.7 | 1 + • 7 | 1 * • 7 | 14. | 14.3 | 14.3 | 14.Z | | | 10.3 |
| ≥ 18000 ≥ 16000 | 1. | 17. | 1 . 7 | 10.7 | 15.7 | 16.1 | 16.7 | 1 . 7 | 1 7 | * | 16.7 | 10.7 | 1 7 | 15.7 | | 16. |
| ≥ 14000 ≥ 12000 | ; | 17. | 1 1 | 13.7 | 17 | 16.1 17.5 | 16.7 | 7T | 17.0 | | 14.7 | 10.7 | 15.7 | 10.7 | 16.7 | 16.7 |
| ≥ 10000 ≥ 9000 | | 17.7 | 17.7 | 17.7 | | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 |
| ≥ 8000 ≥ 7000 | . • 1 • | 19. | i • 1 | 10.1 | 10.0 | 19.3 | 18.1 | 14.3 | 19.3 | 1 > | 10.4 12.1 | 19.0 | 13.3 | 15.3 19.7 | 10. | 19.5 |
| ≥ 6000 ≥ 5000 | . • | 1. | 21. | 1 / 43 21 • 3 | 15.3 21. | 19.3 | 21.3 | 19.3 71.3 | 10.3 21. | 71.3 | 19.3 | 19.3 | 19.3 | 17.3 | 21.3 | 19.3 21.3 |
| ≥ 4500 ≥ 4000 | ; • ; | | 27.1 | 73. | 27.1 27.1 | 72.1 73.0 | 23.0 | 72.J | 22. 23. | 20° | 23.1 | 23.0 | | 12.0 23.1 | 22.5 23.5 | 22. |
| ≥ 3500 ≥ 3000 | | 4 • 3 | 2 . 7 | 7.7 | 35.3 | 75 • 3 | 27.4 75.7 | 27.4 | 27. | 27.01 ₹%.3 | 27.1 35.5 | 27.0 | 27.00 | 27 . 35 . % | 27.1 35.3 | 77. 71.43 |
| ≥ 2500 ≥ 2000 | 1.7 | 2. | 5.0. | 47.3 51.0 | | 47.3 | 47.3 | 47.3 | 53.0 | 51.0 | 55.7 | 47.3 | 47.5 (2.6) | 47.1 | 47.3 58.0 | • ^ • |
| ≥ 1800 ≥ 1500 | | · 3 | | 75.3 | 75 | 3.1 | 5.3 TA . 1 | 3.1 | 63.3 75.3 | 75. | 67.3 7:•3 | 53.3 | 75 • 3 | 76.3 | 03.3 75.3 | 45.1 |
| ≥ 1200 ≥ 1000 | i • | 77. | 77. | 30.3 | : | 7. | 52.7 57.3 | 7.7 | 67. | 37.7 | 97.7 | 37.7 | 1 57.7 1 57.7 | 47.7 | 67.7 | ? ? ? |
| ≥ 900 ≥ 800 | 1. | 7 . | 2/• | */ • 7 * • • | | .8.1 | 79.7 93.0 | 24.9 3.4 | 39.7 .0.3 | 90.1 | 30.7 30.3 | 36.3 | 65.4 | 39•01 <u> 11•3</u> | 39.0 | |
| ≥ 700 ≥ 600 | | 7 . 1 | 37.3 | 10.3 | | 7.4 | 07.3 94.3 | | 94.7 | 92.7 | 94.7 | 92.7 74.7 | 74.7 | 92.7 | 27.7 <u>24.7</u> | |
| ≥ 500 ≥ 400 | | 70. | 63.7 67.7 | -1.3 | | 75.7 10.1 | 9 7. 0 | 38.7 | 97.7 | 23.7 | 97.7 | 98.7 | 97.7 29.7 | 97.7 | 98.7 | \$7.7 \$0.7 |
| ≥ 300 ≥ 200 | 1 • 1 | 7 y • | 2 7 • 7 | 1.3 | 76.3 | 7. | 98.7 | 7.7 | 39.7 | 99.7 | | | 127.0 | រ ១១. ជ | | |
| ≥ 100 ≥ 0 | 1.7 | 1 | 3 . 7 | 71.7 | 96.3 | 7.7 | 3.5°.Ω U•6.6 | 1 | 99.7 | 1 1 | | | | 100.0 175.0 | | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

11

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | <u></u> | | | | | | VIS | SIBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|---------|---------|---------|-------------------|--------|---------|------|--------------------------|----------------|----------------|--------------|-------|--------|----------------|---------|--------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ ¾. | ≥ % | ≥ 1/2 | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING ≥ 20000 | | / 1 | | | 1 | 9.3 | 7.7 | 4 . 7 | 5 . 7 7 . 3 | 3.7 | , , , | 0.7 | , , | ? • 7 | · • 7 | |
| ≥ 18000 ≥ 16000 | | • | ~ | 2.1 | î . 7 | 0.1 | 9.7 | 9.7 | ר | y . 7 | 7.7 | 0.7 | 0.7 | 5.7 | 7.7 | |
| ≥ 14000 ≥ 12000 | 7.1 | 3.1 | • 1 | \ . 3 | 2.7 | | 9.7 | 9 . 7 9 . 7 | 5.7 | 1.7 | (; 7 () | 9.7 | | + | • | . 7 |
| ≥ 10000 ≥ 9000 | . 1 | 10.7 | 10. | 1 | 1 . 7 | 181 • 3 | 10.7 | 1 . 3 | 1 7 . 7 | 1 . 3 | | | 17.7 | | 10.7 | |
| ≥ 8000 ≥ 7000 | 4.1 | 17.7 | 17.7 | 13.5 | 17. | 13.7 | 17.3 | 17.3 | 17.5 | 13.1 | 17. | 13.0 | 17.5 | 13.3 | 17. | 1 |
| ≥ 6000 ≥ 5000 | 4.1 | 17.1 | 27.7 | 27.7 | 17.7 | | 17.7 | 7.7 | 17.7 | 17.7 | 11.7 | 17.7 | 7.1 | 17.7 | 17.7 | 17.7 |
| ≥ 4500 ≥ 4000 | | 71. | 21.7 | 20.1 | 20. | 73. | 20.7 | 70.3 | 27.3 | 1.7 | ر. 1 و ا | 2 . 1 | 11.7 | 71.7 | | |
| ≥ 3500 ≥ 3000 | 7.1 | 14.1 | 31.7 | 74.7 | 24.7 | 74.7 | 24.7 | 71.7 | .4.7 | 31.7 | 34.7 | 24.7 | 21.7 | 24.7 | 24.7 | 7 4 . 7 |
| ≥ 2500 ≥ 2000 | . 1 | 4 | 44.5 | 44.0 | 44.: | 74.0 | 44.7 | 14.1 10.3 | 44.1 54.1 | 59.3 | 50 g | 57.3 | 44.5 | 59.3 | 44.0 | 9.4 |
| ≥ 1800 ≥ 1500 | 11. | . ? . ! | 51.7 | <u>ка 3</u> | 55 • T | /5.7 | 15.7 | 75.7 | 7.5 | 65.7 | 19.3 | 79.3 | 55.7 | 55.7 | 79.3 | + 5 • 7 |
| ≥ 1200 ≥ 1000 | i. | 1. | 73.3 | 77.1 | 3. | 3. | 77.7 | n Tary (14) U 100 • n | 19.7 | * 5 . 7 | 00.3 | 83.7 | 5 . 7 | 38.7 | E 7 . 7 | 15.7 |
| ≥ 900 ≥ 800 | 11.7 | 77.1 | 7 % a 1 | 1 67.07 1 84.7 | 90. | 2. | 38.7 | / [.] + :3.3 | 3.7 | 51.1 | 91.3 | 91.3 | 1 34.0 | 91.7 | 91.7 | 91.7 |
| ≥ 700 ≥ 600 | 11.3 | 3.1 | 7.4 | 7 e . (| 94. | 4.7 | 95.7 | 35.8 | 45.5 45.5 | 95.7 96.3 | 95.7 96.3 | 95.7 | >6.0 | 75.7 | 26.7 | 2 |
| ≥ 500 ≥ 400 | 1. | 3.3 | 5 . 7 | 7. | 94.7 | 5.7 | 77.7 | 7.7 | ៤ព•្ | 9a.3 | 95 7 00 3 | | 03.7 | 98.7 | ₩₽.7 | 7 E • 7 |
| ≥ 300 ≥ 200 | 11. | 73.3 | ↑ P | 57.0 | 74.3 | 5.7 | 27.7 | 39.0 04.3 | 0.7 | 99.3 | 99.3 | | 99.7 | 100.0 | 99.7 | ें देश . ज }्रा |
| ≥ 100 ≥ 0 | 11. | 73 | | 7.5 | 04.5 | | 27.7 | | 93.0 | | 99.7 99.7 | 39.7 | | 170.0 170.0 | 137.5 | - , |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5110S

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) (FEET: ≥ 5 ≥ 0 ٤. NO CELLING ≥ 20000 ≥ 18000 ≥ 16000 9.0 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 10.3 12.0 12.3 1.. ≥ 8000 14.7 14.7 14.5 14.7 15.7 15.7 10.3 15.7 15.7 16.7 17.7 10.7 ≥ 7000 14.3 14.3 15.3 15.7 11.3 6000 5000 17.3 17.4 17.3 17.3 17.3 17.3 17.3 17.7 17.3 1 .3 17.3 ≥ 1. 3 21. 7 21.3 71.3 71.3 21.3 21.3 11.3 31.3 4000 77. 4 25. 7 25. 3 <u>></u> 3500 35.0 3000 10.7 62.7 13.3 54.7 15.0 65.3 12.7 15.7 15.8 65.8 65.8 65.3 15.3 71.1 71.3 71.7 1800 73.7 74.7 77.2 32.0 . 22.31 61.9 11.3 23.7 58.1 67. 80.7 1.7 91.7 91.7 3.7 86.3 7. 67.7 ~ E . 13. 1200 1000 73.7 8 .H W .H 89. 1 51.3 31.7 7.1 90.0 ने प्रहें हैं है है है है है है है 92.7 3. <u>></u> 900 800 75.3 91.7 89.7 91.7 (2.7 95.7 70.1 57.3 91.8 96.7 56.7 76. 16.7 700 600 48.0 \$5.0 05.0 26. 76. 4 KE. # C . 7 64. 7 98.7 49.7 49. 7 99. 1 99.3 49.3 79.3 75.3 37.3 500 400 11.7 94.7 45.7 99.3 99.7 99.7970.0960.000.0000167.68 15.7 71.0 74.7 71.0 94.7 94.7 100 16.3 16.7 97.7 11.4 54.7 15.<u>7 99.3 59.7 49.74 15.64.00.04</u>

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MIL | E5) | | | | | | |
|-------------------------|---------------------------------------|----------------------------------|------------------------|---------------|--------------|--------------|--------------|--------------|-----------|-----------------------------|--------------------|--------------------------|------------------------------------|----------------------------|------------------------|--------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 114 | ≥ 112 | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | _ ≥ '. | ≥ 0 |
| NO CEILING ≥ 20000 | 7.3 | 7.1 | 7.5 | 7.0 | 7 • 1 | 7.5 | 7.1 | 7.5 | 7.5 | 7. | 7.1 | 7.7 | 7,0 | 7. | 7. | 7. |
| ≥ 18000 ≥ 16000 | • 1 | 11. | 11.7 | 11.5 | 11. | 11.0 | 11. | 11. | 11.7 | 11.5 | 11.7 | 11.0 | 11.0 11.0 | 11.0 11.0 | 11.7 | 11. |
| ≥ 14000 ≥ 12000 | 4 4 | 11.7 | 11.5 | 11.7 | 11.7 | 11.7 | 11.0 | 11.7 | 11. | 11.7 | 11.7 | 11.7 | 11. | 11. | 11.7 | 11.0 |
| ≥ 10000 ≥ 9000 | • • • • • • • • • • • • • • • • • • • | 11.7 | 17.7 | 11.7 | | 13. | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 13.3 | ۔ خط | 11.7 | 11.7 | 11.7 |
| ≥ 8000 ≥ 7000 | | 17.7 | 1 7 . 7 | 14.3 | 19.7 | 17.7 | 14.7 | 10 | 113.7 | 14.7 | 14.7 | 11.0 | 1 | 14.7 | i".7 | 14.7 |
| ≥ 6000 ≥ 5000 | | 1. | 21. | 3 | 21.5 | | 13.7 21.7 | ?). | 21.7 | 41.7 | 21.7 | 71.7 | 10.7 11.7 | 10.7 -21.7. | 16.5 21.7. | 10.3 |
| ≥ 4500 ≥ 4000 | 7 • 1 | !! • 2 € . ! • <u>- 2 € -</u> | 20.3 | 7 | 20.1 | 76.7 | 27.0 | 77.0 | 27.0 | 27. | 7. | 22•1 27•1 | · ? • ? | 23.7 27.1 | 72•7 <u>-€</u> 7•]. | 2 / • · · |
| ≥ 1500 ≥ 3000 | | | 3. • 7 <u>3∴• ₹</u> | 3 3 | 37.7 | 19.7 | | 70.7 60.0 | 3 ° • 7 | 30.7 9 1.64 | 30.7 40.0 | 70.7 40.0 | 30 • 7 • <u>4 .3</u> • <u>E</u> | 47.7 4 7.5 | . <u>9.2</u> • q. | ा (०००) भुकुकु |
| ≥ 2500 ≥ 2000 | | - 4 2 • 4 - 1 | L. 1 . [1 | 12.7 | | 3.3 | 57.7 53.7 | 13.7 | 33.7 | 5 . • . 3 <u>5 . • 7</u> | : | 63.7 | . <u> </u> | 5 € € £ € ₹. . 5 £ € ₹. | -50•3 -63•3, | 63.7 |
| ≥ 1800 ≥ 1500 | • | 72.7 | 67.1 74.7 | 5 . 3 | 69.7 31.3 | 1.7 | 75.0 82. | | | <u> </u> | 3 | . 10 - 11 . 22 - 22 . | . <u>22.</u> 1 | | | 32.1 |
| ≥ 1200 ≥ 1000 | • • • • • • • • • • • • • • • • • • • | 74 • 3 -76 • 0 -75 • 0 | | 7 7 3 | | 15.3 29.3 | 95.7 90.3 | - ? | 71.0 | | . <u>- 1 • - 7</u> | 21.2 21.7 | 11.2 | 91.7 | 31.3 | 10. |
| ≥ 900 ≥ 800 | 3.0 | 75.3 | 32.7 | . 1 | | 20.7 | 97.E | 42.7 | 92.8 | | 03.0 | | 71.3 | 73.J. | 91.1 92.0. 36.3 | |
| ≥ 700 ≥ 600 ≥ 500 | 1 7 7 | 76.7 | | 90.3 50.0 | 92.3 | 73.7 | 75.7 | 25.7 | 26.7 | 97. | | 97.3 | | 97.7. | <u>57.7</u> | \$ 7.2 |
| ≥ 400 ≥ 300 | 1 . 7 | 75.7 76.7 | | | 72.7 | i _1 | 97.0 | 97.7 98.7 | 97.7 | 98.0 | 90.3 | 94.3 | 10 7 10 7 | 99.7 | 98.7 | 35.7 |
| ≥ 200 | 1 . 7 | 75.7 | # 1.3 83.3 | 011.0 95.0 | 93.3 | | 97.0 | 99.0 | ,,,^ | 79.3 | 79.7 | 79.7 | | 192.0 | 103.0 100.0 | 100 • 5 100 • 8 |
| ≥ 100 ≥ 0 | 1 : • 7 | 75.1 | 87.3 | 9 .3 | 93.3 | ru. 3 | 47.0 | 99.0 | 77.7 | 99.3 | 99.7 | 59.7 | tro.c | 100.0 | 100.0 | 100.01 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | HBILITY (ST | ATUTE MIL | .ES) | | | | | · | . |
|----------------|-----------|---------|---------|-----------|-------------|-------------------|-------|-------------|------------------|-----------------|--------------|---------------|---|---------------------|----------------|---------------|
| (\$567) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ 1, | ≥ 0 |
| NO CEILING | 7,4 | ,, | 2. | | 7. | → • | 7.0 | 7 | • | | 7.0 | 7.5 | | | ·; • | ٠. |
| ≥ 20000 | / • T | 15.7 | 1 . | 1 .7 | 1 7 | 17.7 | 10.7 | 1::.7 | 1 " - 7 | | 10.7 | 13.7 | 1 . 7 | 1: 07 | 10.7 | 17. |
| ≥ 18000 | 2 ● 19 | 11. | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 31.7 | 11.7 | 11.7 | 11.7 | 11.7 | 31.7 | 11.7 | 11.7 | 11.7 |
| ≥ 16000 | | 1.00 | 1. • . | 1.0 | 10.0 | 12.0 | 17.0 | 17.5 | 17.5 | 1 | 17.7 | 1 • 1 | 17. | 1:0 | 17. | . <u>1</u> |
| ≥ 14000 | | 1 | 1 | 1 7 | 10.0 | 13.0 | 12.0 | 13.6 | 17.7 | 1 | 17.00 | 10.7 | ? " | 13.7 | 1 ~ . | * |
| ≥ 12000 | . 1 | 12.7 | 17.7 | 1.7 • 3 | 12.7 | 12.7 | 17.7 | 12.7 | 17.7 | 1 ' | 12.7 | 12.7 | 17.7 | 17. | _1_7 | |
| ≥ 10000 | | 17.7 | 10.7 | 12.7 | 17.7 | 12.7 | | 12.7 | 12.7 | 12.7 | 17.7 | 12.7 | 17.7 | 12. | 1.2.7 | 1 7 |
| ≥ 9000 | . 1 | 1 | 17.7 | 13. | 13.7 | 13.7 | 13.7 | 17.7 | 15.7 | 17 | 1:07 | 13.7 | 1 7 | 1. | 1 | 17. |
| ≥ €300 | • 1 | 35. | 11.0 | 15.7 | 15.7 | 15.7 | 15. | 15.7 | 15. | 15.7 | 15.7 | 15.7 | . 15.7 | 15.7 | 10.0 | 1 7 |
| ≥ 7000 | | 17.3 | 17.3 | 1 / 4 3 | 17.3 | 17.7 | 17.7 | 17.7 | 17.7 | 17.3 | 17. | 17.3 | <u>. ! '• </u> | 17.5 | 17.3 | 17.7 |
| ≥ 6000 | • 3 | 1 . 7 | 1 6 7 | 16.7 | 1 . 7 | 18.7 | 13.7 | 1 .7 | 18.7 | 17.7 | 12.7 | 10.7 | 1 . 7 | 11.7 | 15.7 | 1 |
| ≥ 5000 | | 76. | 30.3 | 21.5 | 2 - 3 | <u> </u> | 20.3 | 7 . 7 | 1 7 | - | | 30.3 | <u>.</u> . 7 | · · · · · · | <u> </u> | , |
| ≥ 4500 | | 7.4 | 29.0 | - 21.4A | 21.3 | .01 • 3 | 21.7 | | 21. | 21.3 | 11.3 | 21.3 | 21.5 | ુ ?1•₹ | ∴1•' | ~1 |
| ≥ 4000 | • 1 | 74.1 | 24.7 | 14.7 | 26.7 | 4.7 | 34.7 | 34.7 | 74.7 | 34.7 | 74.7 | 24.7 | <u> </u> | ~4.7 | 74.7 | |
| ≥ 3500 | ::: | 2.7 • 3 | 7 | 73.7 | 2 ° ₹ | | 30.3 | | े ∵ • 7 | 29.7 | 7.7 | 500 | | 25.7 | L5.7 | .13.7 |
| ≥ 3000 | 15. | | 3 | ₹ 1 . () | 35. | 13 . 17 | 39. | 15.7 | 17. | 3y . | 15. | 10. | | . <u>39.</u> | <u>.3</u> 3•0 | 1 |
| ≥ 2500 | 11. | | • [| 50.3 | 53.3 | 13.3 | | 77.3 | · 3 • ? | 53.3 | 1.7.3 | 53.3 | 53.3 | 5.5 | 53.3 | ~ ~ · : |
| ≥ 2000 | | . 7 • 3 | 54.7 | - 6 ± € € | <u>55.0</u> | <u> </u> | 66.7 | -e - 3 | 75. | 50.2 | 66.3 | 15.3 | (4.3 | . 65 <u>.</u> 3. | 05. | |
| ≥ 1800 | 10.0 | 1.60 | 67.7 | 10.2 | 4.6 * 3 | • ' | 59.7 | 5 | 19.7 | 55.7 | J C . 7 | €9 . 7 | 1 7 . 7 | 63.7 | €9.7 | 57.4 |
| ≥ 1500 | | 71.7 | 7 | 7: . 7 | 6 . 7 | 10.7 | 81.3 | 1 • 3 | 71.7 | 91. | F1.3 | 1.3 | <u>. 1</u> •1 | . 31 . 2. | 3-1-3 | 11. |
| ≥ 1200 | · · · · · | 74.0 | 7 . 3 | 44. | 44.3 | | €5.0° | 6.5 | R f | 45.0 | 0.4 | • • • • | 38 . C | 96.3 | 56. | Lite 💆 |
| ≥ 1000 | | 1 | 33.7 | -5.3 | | 0.7 | 71.3 | 1.7 | -1.7 | 91.7 | 91.7 | 91.7 | 11.7 | <u> 91.7.</u> | 31.7 | . 41.7 |
| ≥ 900 ≥ 800 | | "t.•7 | 87.7 | F 3 • 1 | 21.3 | 12.3 | | . 7 | 7 . 7 | 25.7 | 03 .7 | 75.7 | 7.7 | 23 • 7 _. | 47.7 | G (, 7 |
| ≥ 800 | 1. | 76.7 | 67.7 | ેધ.7 | | 3 • ≟ | 94.3 | ·4.7 | 34.7 | 94.7 | 94.7 | 54.7 | 64.7 | <u> </u> | 24.7 | . • • 7 |
| ≥ 700 | ្ែា | 20.07 | A: 7 | 80.3 | | 4 • 1 | 75.5 | 95.3 | 75.7 | 95.3 | • | 35.3 | . उद•्र | 95.5 | 45 . 3 | 22 * x |
| ≥ 600 | | 77. | 3 . 3 | 78.3 | | 15.0 | | 7.3 | 47.0 | 97.1 | 97. | 77.7 | · | · <u> </u> | <u>. 27.</u> 2 | , f 7. C. |
| ≥ 500 | • | 77.1 | | 0 • 3 | 34 . 3 | 5. | \$3. | 7 | . - - | } 59 - 5 | 99.5 | 30.0 | . e o • t | 95.7 | < 0 . ^ | ु दे र ∙्र |
| ≥ 400 | | 77.7 | 7.7 | 77 | 74.7 | ∂6 • ³ | 96.7 | 7.3 | 00.7 | 13 7 6 0 | 1 | 100.0 | <u> </u> | <u>10.5</u> | 1 <u>9</u> 0•1 | |
| ≥ 300 | . · · | 7.2 | | 73.7 | 24.7 | 0.3 | 98.3 | 00.3 | 40.7 | 150.0 | 10.0 | 100.0 | 163.5 | ր Դն∙ել | 100.3 | រូក១.១ |
| ≥ 200 | • 1 | 7 • 3 | 37.7 | 7 (1 o T | 94.7 | ಿ ಕಿ . ३ | 90.3 | 20.2 | 79.7 | 100.0 | | <u>100-8</u> | | <u>1)0.0</u> | 160.2 | 170.0 |
| ≥ 100 | • | 77.3 | 13 2 79 | . 7 | - | ί. | 73. | 2.2.3 | | 100.0 | | 100.0 | - | - | 100.A | |
| ≥ 0 | • | 77.7 | 3 : • 7 | 9 . 7 | 94.7 | 6.3 | 35.3 | 29.3 | 29.0 | 1.73.0 | 100.0 | <u> 195.5</u> | <u>ըսս.</u> ը | <u> 1 50.0</u> ; | <u> 100.0</u> | 155.4 |

TOTAL NUMBER OF OBSERVATIONS 370

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| ! | | | | | | | VIS | IBILITY (STA | ATUTE MIL | .ES) | | | | | | |
|-------------------------|-------|--|----------|-----------------|-------------------|--------------|--------------|--------------|---------------------|--------------------|-----------------------------|---------------|------------------------------|-------------------------|-------------------------------------|---------------|
| CEILING (FEET) | ≥ ≀0 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ 114 | ≥ 114 | ≥ 1 | ≥ % | ≥ % | ≥ 1/2 | ≥ 5/16 | ≥ 4 | |
| NO CEILING ≥ 20000 | 7.7 | 1 | 9, 1 | | . 7 2 . 3 | 8.7 | 3.7 3.3 | . 7 | 7 | 7.7 9.3 | - 7 | | 7.7 | 7. | 3.* | , , |
| ≥ 18000 ≥ 16000 | 7 | 1.1 | 11.3 | 11.7 | | 11.7 | | 11.3 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.1 |
| ≥ 14000 ≥ 12000 | - • | 12.4 | 11. | 11.7 | 11.7 | | 11.7 | 12.7 | 11.7 | 11.7 | 11. | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| ≥ 10000 ≥ 9000 | | 1:.3 | 1 '. 7 | 1 - 3 1 - 3 | 17.3 | 13.3 | 13.3 | 17.3 | 17.7 | 1 % . 3 1 3 . 3 | 17.3 | 13.3 | 17.3 | 13.5 | 17.5 | 11.1 |
| ≥ 8000 ≥ 7000 | | 1 . 3 | 17. | 17.3 | 1: • 3 | 15.7 | 17.5 | 17. | 17.7 | 15.3 17.9 | 17. | 15.3 17.7 | 17.7 | 15.3 17.0 | 15.5 17.7 | 15.0 17.1 |
| ≥ 6000 ≥ 5000 | 7 - 7 | 17.5 | 1 7 - 7 | 17.5 | 1:3 | 17.3 18.7 | 17.7 | 17.3 | 17.7 | 1 .7 | 17.3 13.7 | 17.3 | 17.7 | 17.3 | 17.3 19.7 | 17.7 |
| ≥ 4500 ≥ 4000 | | .1. | 21.7 | 5 • 3 31 • 3 | 20.7 | 1.3.3 | 23.3 21.3 | 3 | <u> </u> | 20.1 22.1 | 20.7 | 21.3 | /1.3 /1.3 | 20.7 21.2 | ۲۰۰۲ .2 مالاهـ | |
| ≥ 3500 ≥ 3000 | | "∮•↓ <u>"</u> •↓ | 37.3 | 23.3 | 37.7 | 73.3 | 32 • 3 | | 21.7 32.7 | 23.7 | 72.7 | 23.3 22.7 | 27.7 | 22.3 22.7 | .33•3 .≥2•7. | 33.3 33.5 |
| ≥ 2500 ≥ 2000 | | 4 • 3 | <u> </u> | 55.7 | 40 • 13 63 • 7 | 3.7 | 46.0 | | 45.5 <u>63.7</u> | | (46.6) (7.7) | 46.2 3.7 | 44.,7 | 46. . <u>: 3.</u> 2. | 63.7. | 11.7 |
| ≥ 1800 ≥ 1500 | | 기 변 중 (- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | 73.7 | 7~,0 | 7 . 7 | 78.7 | 7:07 | -7.4.4 | 730 | 7:01 | . 7° • 1 . 7° • <u>-</u> | 70. | . 51•7 75±2 | . 79 <u>. 1</u> | 79±1. | |
| ≥ 1200 ≥ 1000 | | 74, | 3 7 | 7.0 | 3.7 | :9 | 49.7 | | 7.7 | 20 · 1 | | | | | 03 • 6 12 <u>0 • 1</u> 27 • 7 | |
| ≥ 900 ≥ 800 ≥ 700 | 7 | 70.0 | 4 3 4 | # ^ . 3 | 01.7 | 3.7 | 44.3 | 7 | 1 = 7 | 75.7 | 7 - 1 | 95.7 | ر 2.و <u>آلا</u> ورواد | | 95.7 | . <u>3</u> |
| ≥ 700 ≥ 600 ≥ 500 | • 1 | 76. | A | 71.0 | 67.7 | *4.0 | 96.7 | 7.3 | 75.0 | 51.7 | 76.5 97.7 | 35 | 40.0 | <u> </u> | 98. | <u>- 1</u> 5. |
| ≥ 400 | 1 | 76.3 | 91.7 | 71.3 | 94.7 | 5.3 | 47.3 | .7.7 | 75.0 | 93.3 | 99.7 | 99,7 1:7.7 | | 1000 | 99 <u>.</u> 0 | 170. |
| ≥ 200 | | 75.7 | 97.7 | 31.3 | 74.7 | 5.3 | 97.3 97.3 | 78.0 | 90.07 70.00 | 98.7 94.7 | | 100.0 | 100.0 100.n | 100.3 | 100.0 | 100 100 |
| ≥ 0 | 1 7 | 75.3 | 57.5 | 51.3 | 7 k . 7 | 15.3 | 97.3 | 18. | ga 🎺 | 78.7 | 90.7 | 02.3 | 100.0 | 100.0 | 100.00 | توينتا |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

HOUES . L S 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | ٧IS | IBILITY (STA | ATUTE MILI | ES) | | | | | | |
|-------------------------|-----------|-----------------------------|------------------------------------|---------------------------------|---------------------|--------------|-------------------------------|---|-----------------|---------------------------------------|---------------------------|---|---------------------|-----------------------|-----------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 114 | ≥ 114 | ≥ 1 | ≥ 3, | ≥ 4 | ≥ ⅓ | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING ≥ 20000 | • | 11.1 | 11.1 | 11.1 | 11.4 | 12.3 | 11.2 12.5 | 11.4 | 11.7 | 11. | 11. | 11.3 | 11.7 | 11. | 11.7 | |
| ≥ 18000 ≥ 16000 | • • 1 | 13.1 | 1 7.1 | 1 1 | 1. | 13. | 17. | 1 0 | 1 | 1 | 17.1 | 17 | 11.0 | 1. | 11. | |
| ≥ 14000 ≥ 12000 | 1 • 1 | 13. | 17.3 | 기 : 학 1 : • 7 | 13.7 | 13.7 | 17.7 | 17.3 | 13.7 | 10.5 13.7 | 13.7 13.7 | 13.5 | 1 . 7 | 17.1 11.7 | 1 | |
| ≥ 10000 ≥ 9000 | 1.1 | 17.7 | 17.7 17.7 | 1:07 | 13.7 | 13.7 15.7 | 17.7 | 13.7 | 17.7 | 13.7 | 17.7 | 13.7 | 17.7 | 13.7 | 17.7 | 1:4.7 1:4.7 |
| ≥ 8000 ≥ 7000 | 1 | 14.7 | 1 4 . 3 | 1 4 . 7 | 10.7 | 16.7 | 14.7 | 14.7 | 14.7 | 1 4 • 7 | 14.7 | 14.7 | 14.7 | 14. | 10.5 16.7 | 14. |
| ≥ 6000 ≥ 5000 | 1.1 !! | | 1 - 1 | 17 • id. 1 • id. | 17.7 | 17.5 | 17. | 17.0 | 17.1 | 17. | 17. | 17. <u>12.</u> | 17•ſ <u>1</u> -1 | 17. . <u>11.</u> | 17. | 1 . |
| ≥ 4500 ≥ 4000 | | 1:.1 | ۳ • ۱ (ا* ا**•* | | 17.3 <u>(3.9</u> | 16.7 | 1 ° • 2 | - 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 | 1 . I | 1 `• ?' - 2 - 2 - | 1 · · · | ! • 3 ! • 1 ! • 2 | | | | |
| ≥ 3500 ≥ 3000 | 1.1 | 4 • 1 | ال و الايم الآوروان الآوروان | | 24.7 35.3 | 75.0 | 35.0 | | 39 • 5 3 • 3 | 7.00 | | 24.7 | | | 36.7 36.3 | 74 |
| ≥ 2500 ≥ 2000 | 1." | | 6 1 . 7 | | 40.7 | 2. | 47.7 67.7 | 7. | 47. | 49.7 5 <u>3.3</u> | 47.7 - (2.7 | 4 | . <u>} - 3</u> | 42.3 | -45.4 -23.5 | |
| ≥ 1800 ≥ 1500 | | ूर्व । ११ - व इन्हरूस | 76.7 | - | 7 . 7 | 7. | 07.4 <u>80.4</u> 3 55.7 | | • 7 | | | # | . 1 | | | |
| ≥ 1200 ≥ 1000 | | | 4 • . | * • • • • • • • • • • • • | 39.5 3 | - 7 | 90.0 | 1.3 | 5 0 0 T. | | | 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | 3 . | |
| ≥ 900 ≥ 800 | | 7.1 | × 1 • 7 | 7.7 | 7 7 | 1. | ?? | 17 7 7 | ? • • | 92.7 | 37.7 | | · 2 · 7 | . <u>- 2 . 7</u> . | 22.7 | |
| ≥ 700 ≥ 600 ≥ 500 | 1.1 | 75. | 3 | - A - 5 | 42. | 3.7 | 94.7 76. | <u> </u> | ्र सम्बद्धाः | · · · · · · · · · · · · · · · · · · · | 9 T | ^5.5.5. | | | | |
| ≥ 400 | 1.1 | 70.7 | 3 . ~ | 90.00 20.00 | 5 | 5.7 | 70.3 | 3 | 36.0 | 00.7 | 34.7 | 69.7 | 90.7 | 99.7 | 99.7. | 30.7 |
| ≥ 300 ≥ 200 ≥ 100 | | -7:- y | 3 . | 7 | 34.5 | 5.7 | 73.7 | | 30 m | | 100.5 100.7 | 100.7 | 100.0 | <u>105.6</u> 105.0 | 1 <u>00.0</u> 1 | |
| • | 1. | 78.7 | 57. | 7. | 3. • 1 | 5 - 1 | 78.3 | 9.1 | · > _ ^ | $1.70 \cdot 2$ | 138.5 | 150.0 | 105.7 | 107. | 102.0 | 70.0 |

| TOTAL NUMBER | OF | OBSERVATIONS |
|--------------|----|--------------|
|--------------|----|--------------|

MAJAC WEATHER DEPOSE CLETAURY OF WHICH CELLS

CEILING VERSUS VISIBILITY

HOUPE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | | | | | | | | | | | | | | | | |
|------------------|-------------------------------------|--------------------|------------------|---------------------------------------|------------|-------------------------|-----------------|-------------------------------|--------------------|----------------------------|-----------|---|---------|----------------------------------|------------------------------|-----------|
| CEILING FEET | | | | | | | ۰ | IBILITY (ST | | | | | | | , | - |
| , , , | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ 112 | ≥ 1/4 | ≥ 1 | ≥ % | ≥ % | ≥ ⅓ | ≥ 5-16 | ≥ '₄ | ≥ 0 |
| NO CEILING | . 1 | • | . , | • | | 7.1 | 7. 1 | | 7.1 | | • 1 | • | | | 7 | • |
| ≥ 20000 | • | ! | 1. • 1 | 1111 | 1.0 | | 1 . 1 | 14 | 1 7.2 | 1.0 | 1 | 1.09 | 1:05 | | . <u>1 - a 2</u> | , • . |
| ≥ 18000 | | 1 ! | 1 . | | 1 .7 | 10. | 1. • | 12.3 | 1 . 3 | 12.7 | | 10.3 | 1 | 17.2 | 12.7 | ì . |
| ≥ 16000 | | 1 1 | 11 | 1. | 1.1 | 12.7 | 170 | 1 . 7 | 1 . 1 | 12.3 | 17.0 | 1 | | . 1 | 11.5 | i |
| ≥ 14000 | • . | . `• ! | 1 1 | | 11.5 | 12.7 | 1 | 10.5 | 1 . | _3 • ¥ | λ • ? | 1 3 | 11.7 | 12.0 | 1 | 1. |
| ≥ 12000 | • : | · • • 1 | 1 _ • .! | 1: • 1 | <u> </u> | 1 - • | 1:01 | | 1. | 1 | | 11- | نعثنا | 1 - 2 | 11. | 1. 25 |
| ≥ 10000 | | · 1 • 1 | 1 1 1 | 1 . 1 | 11 | $-1\cdot f \bullet 1_0$ | 13.1 | 43.4 | 1 - i | 17. | 13.1 | 13.1 | 7.1 | 17. | 13.1 | 17. |
| ≥ 9000 | • : | . <u>1</u> . t + 1 | 1'0 | | 1 | 13.4 | 1:00 | 1. | <u> </u> | بنعتث | 13.4 | 17.5 | نعتنا | .13 | 17.2. | |
| ≥ 8000 | • • • | 1 5 • 1 | 1 . 1 | 1000 | 15.1 | 10.7 | 15. | 1 • | 1 • 1 | 10.1 | 11.0 | 15.0 | 1. | 1 | 1 · · | · . |
| _ ≥ 7000 | • 1 | 7. | . 1 | 1700 | | :7.7 | 170 | 1111 | 17.2 | 1200 | 17.7 | 17.1 | 17.2 | . 17 | 47.0 | 11. |
| ≥ 6000 | • 7 | . 7 . 7 | 17. | | 1 7 | 17 • 7 | 17.3 | 17.3 | 3 ⁷ • " | 17.0 | 17.5 | 17. | 4 " p = | 17.2 | 17. | ` ` ` • : |
| ≥ 5000 | □ □ □ <u>□</u> | . 1 | <u>l</u> • 1 | 14 | <u>. 4</u> | 16.4 | 1707 | | 1 | 1300 | 17.05 | 1 | 1.25 | . 11•f. | 1 | 1 • 1 |
| ≥ 4500 | • i | • 1 | • | • 7 | · | | 7 ° A | . J. 4 | 7.1 | 2"•" | • 7 | 7.7 | 7.7 | nn.} | 20.3 | • |
| ≥ 4000 | | _ 13.• 4 | | • | <u> </u> | | - Ce 5 | | | يرفيقت | | . ـــ ـــ ـــ | | . 22 e., | ر : • المالية . | . 23•1 |
| ≥ 3500 ≥ 3000 | * • 1 | • • | • • • | • • | ~ !- • M | . (· • · · | 26.4 | | 16 · 1 | - ?÷ • 5 | | 7.6 | • | 2.0 | 75.5 | 10.0 |
| · + | •] | | | . ∶_•∓ | - | | 7 P 9 7 | فيعث ا | | | 37.03 | <u> - (</u> | | . 15.1 | | |
| ≥ 2500 ≥ 2000 | • 1 | · * } • 1 | 4 6 6 | | * 1 | | 4 7 4 21 | - 4 · • 2 | | - 1 | 4 | 4 | •] | • | 4 3 6 7 | • |
| • • • | | | . <u>5</u> . •] | | - | <u> </u> | 2701 | | | <u>`}≤≛7</u> , | 24. | _1 ±≟≥ | 12.7 | ે. 'હે્ં કેંડે | · •] •]. | • |
| ≥ 1800 ≥ 1500 | 2 - 4 | 3.1 | | 6 1 6 7 | | -7.E | 67.7 | | 67.00 | 57.00 | 6/6 | • 7 • S | | | \$ 7.0 | |
| · 1 + | | | | | 1 1 | <u> </u> | _7 | ' <u>'' • 5</u> i | | | • 2 | . 9. | 7. • | . 71 • ≥. | 79.5 | • • |
| ≥ 1200 ≥ 1000 | `• 1 | 3. | - 4 f • 4 | • 1 | • 1 | 4. | - 14 m | | · | | • | • | • | • | | • |
| | | لِدفية إِنَّا | | 7 | 0 1 | | رنوفي. | | | | ٠ | • | • | | ્ડે"•ા. | • ' |
| ≥ 900 ≥ 800 | • 1 | , , | | • | • | | ~ 1 • .: | 1. | 1. | | | 100 | | 1.03 | 1. | 1. |
| · | • • • | 7 6 - 19 | - 1 - 1 | 7.0 | 3 . 3 | 1 . 4 | <u> </u> | - - -+ | | - / | | | | • • • • | . 4 | • |
| ≥ 700 ≥ 600 | • | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | · · · · | | 74.0 | 4. 6. | 4 • 4 | | 4 . 4 | · · · · · · · · · · · · · · · · · · · | - 4 | | | |
| | | | | 3.0 | 34.0 | * • | 97.1 | ~7.7 | · (• 1 | | | | _ = = | · 12 • 15 | 18. | |
| ≥ 500 ≥ 400 | | 75.4 | | 1 | 74.9 | 4. | | | 5 / • c / | 70.j | | 50.1 | | | 18.6 | · . |
| | · • • • • • • • • • • • • • • • • • | 77 | | 20.4 20.4 | 4 . 7 | 5. 7 | 99.U | 1 . 5 | 3 0 | 23.6 | | | - 1 | | 714. | |
| ≥ 300 ≥ 200 | | 77. | 3 | |) 2 . 7 | - 1 | 23.2 | | 33.1 | - 7 7 • 51 - 4 • 2 • €1 | 2.2 | 5 C _ 1 | • / | 7 1 1 | in the second | , - |
| | 1 | 77. | 3 7 | . 4 | 04.7 | 3.4 | 5.2 | - • • · · | 39.3 | - 50 | 79 H | 74.5 | • | <u>, 4 s. 11 9 f. 1</u> 9 O C | tasiti. Tah | 4 |
| ≥ 100 ≥ 0 | | 77. | 87.0 | | 74 . 7 | . 1 | 33.5 | • | | | ୍ର ବ୍ୟକ୍ତ | 20.0 | • • | ar Liberto Grandos — esc | aluation by a to be to be | • |
| 1 | 5 . | _ , , •] | _ 0 _ • .] | 44 | /N • ! | | 1 1 | • | 1. | 45 . 61 | • 1 | * 1 | | الله و في الله الله | لأثأ وأحسنا | |

| TOTAL NUMBER | OF OBSERVATIONS | , |
|--------------|-----------------|---|

NAVAL WEATHER DESCRIBE DETACHNESS. ACHEVRISE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VI\$ | IBILITY (STA | ATUTE MILE | 5) | | ·— | | | | |
|-----------------------|------|---------------------------|----------|------------------------|----------------|----------------|-------------------------|--------------|------------|-----------------------|---|--|-------|--------------|-----------------------|-------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ביו ב | ≥ 1'4 | ≥ 1 | ≥ 4. | ≥ % | ≥ 42 | ≥ 5 16 | ≥ 4 | ≥ o |
| NO CEILING ≥ 20000 | • | 10.4 | 1 | 1 . 1 | 17.4 | 17.5 | 100 | • 7 | 1 | 1 | 1 | 11.1 | | 11. | 17.7 | |
| ≥ 18000 ≥ 18000 | 7 | 1 . 4 | 1 | <u>। । । ।</u> १००५ | 1 | 19.4 | 17.4 | | 1 | 1 - 4 | 1 | 1 - 4 4 | 1 | 1 | 12.4 | |
| ≥ 14000 ≥ 12000 | · | 1 . 1 | 1 • | 1 . 4 | 1 4 | 5.1 | 1 70 1 | 1 1 . 4 | 1 | 1 .4 | 10.4 | 10.4 | 1 . 4 | 1 4 | | 1 |
| ≥ 10000 ≥ 9000 | | - 1 | | • 1 | 71.7 | 9. | 17.7 | • | • • • | | <u>;</u> | | | | • | • • |
| ≥ 8000 | | 1.1 | 1.4 | | 71.1 | 1.4 | .1• | 1 • 1 | 21. | 1. | 1. | 21. | 1. | 1. | 11. | |
| ≥ 6000 | | • † | 7.4 | 2 . 9 | | 3. | | | 21.0 | 7 | 21.0 | | , | | | • |
| ≥ 4500 | - ; | 7.4 | 7. 9 | 7.7 | 27.7 | .7.7 | 37.7 | 7.7 | 7 . 7 | **** | 77.7 | 7.7 | - , , | | 7.7 | • |
| ≥ 4000 ≥ 3500 | • • | | | 70.4 73.5 | | • | 37.7 11. | | | | *** | | • | مند خيد | | • |
| ≥ 3000 ≥ 2500 | • • | 1 | | - 1 - 1 | 11.5 | 1. | 1. | - | | 1. | 1. | | | 1.1 | 41. | • |
| ≥ 2000 ≥ 1800 | | | = 1 | -70.5 | | | 7 . 1 | - ' ' ' | | 7 | 74.2 | | 7 . 1 | - • | 74.3 | • |
| ≥ 1500 ≥ 1200 | • | | 7 - 7 | 77.1 | | 3.7 | <u> </u> | | | | • | | • 5 | | • | |
| ≥ 1000 ≥ 900 | | 76. | | 7 | 7: -4 7: -4 | - | \$ 7 • ° | - : ; - ; | | | | | • | , T. | 97.9 97.5 | |
| ≥ 800 ≥ 700 | भ | 7.1 | | <u> </u> | 95 d | - 4 - 1 | 35.5 | 7:43 | - N T - 2 | $\frac{9}{7}$: • • • | 5 <u>5 4</u> | <u> </u> | | | | |
| ≥ 600 ≥ 500 | • ; | | <u> </u> | 11.7 | 31.1 | 6.3 | 37.8 97.7 | 7.4 | 7 .0' | C7.7 | - 7 - 7 - 7 - 1 - | $\frac{37}{6}, \frac{7}{6}, \frac{7}{6}$ | 7.7 | 7.7 | ,7.7. 20.2 | • |
| ≥ 400 | | 7 • <u>1</u> | | 77.00 | 37.1 | 7.4 | . <u>27.7.</u> 77.1. | | 7 | 7 . 4 | 100 u | 3 - u | 7 | 93.5 79.6 | ंध े १९५३ । | |
| ≥ 300 ≥ 200 | | $=\frac{1}{7}\frac{4}{4}$ | 1 2 - 1 | 1. · 6. | 77.1 | 7.4 | C 11 . 60 | 7 | 7 | 29.4 | 30.4 | 33.4 | | 7,7 | \$ 9 . 7 | |
| ≥ 100 ≥ 0 | | | 4 . 5 | • | 97.1 | 7.4 | ាក់. ម ក្រុម | . 7 | - | - | 10.7 | | | 1 | المعالم | · • • |

TOTAL NUMBER OF OBSERVATIONS

NAVAL ABATHER SERVICE GETAGRITHNI, A HESITLE IN

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| NO CEILING ≥ 20000 ≥ 18000 ≥ 16000 | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 1 1, 1 | ≥ 3 | ≥ 2'2 | ≥ 2 | | | | | | | • | | , |
|---------------------------------------|------------|--------|---------------------|---------------------------------------|-------------|------------------|-----------------------|-----------------|--|-------------------|------------------------|------------------------------------|---------------|----------------|------------|------------|
| ≥ 20000 ≥ 18000 | . 1 | | 1 . | 17.1 | | | | צ'ו ≤ | ≥ 1% | ≥ t | ≥ 4. | ≥ 🛰 | 5 '1 | ≥ 5 16 | è. | 1 0 |
| ≥ 18000 | | | 1 ** 1 | | 1.7 | | : 7.: | 1 .) | 17.1 | 3 / • 1 | 1 7.5 | 1 1 1 | 1 | | 77. | |
| | . 1 | 5 . il | | 1'-1 | 17.4 | | 1/2 | | 1 | 1:1 | 17.1 | خفتت | 11.4 | . 17ai | 17.1. | |
| L - 1 | | | 1 • ! | i • i | 1 • 1 | 17 . i | : •1 <u>1 •1</u> , | . • <u>)</u> | 1 . | 1 • i 1 • i | ; •: • | 1 • 1 1 • 1 | 1.1 | | 1 | |
| ≥ 14000 ≥ 12000 | • ! | 1 | · · · · | 3 . 7 | 1 | 1 | | | 7 | 1 · · 7 | 1 . 7 | 1.7 | · · · · · | | 1 1 | 1 |
| ≥ 10000 ≥ 9000 | • • | • 1 | 3 • * | , , , , , , , , , , , , , , , , , , , | 1 | | 1 . 7 | · " | 1.7 | 1 | | 1:.7 | | 1 | | |
| ≥ 8000 ≥ 7000 | ن ! و ! | 1.1 | 1 1 | : . i | • • • • | : • \ | 1 4 . | | 1 . 1 . 7 | 1 - 1 . i | 11.0 | 11. | ! • | · . | 11. | · . |
| ≥ 6000 ≥ 5000 | • • | 1.1 | -21•1 -3:•1 | 11.4 | 1. | | 1. | اد و د دواند | 1. | ·1• | 11. 2 1 1 1 1 1 1 1 | 21.0 | | 11.2 .22.1 | 1. | • • |
| ≥ 4500 ≥ 4000 | | 7. | ? . • 1 | 7 - 3 7 - 3 | 77.1 2.1 | 7.1 . 1 | · · · · · | • 1 | • ! | | 27.1 | | ` • ì | 17.1 | 17.1 | |
| ≥ 3500 ≥ 3000 | 1 | | 3 • 7 u 7 • 1 | 7.00 | 67.5 | 75.0 | 47.7 | 37 | 22,2 | 3: 4.7 | <i>ii</i> | 30.65 43.67 | | 47. | 47.7 | 0 |
| ≥ 2500 ≥ 2000 | • | 1.1 | | 1 • 7 74 • C | 7. | 1.4 | 1. | 1.5 | | 11.1 | 70.0 | 1.7 | 71.3 71.6 | 1. | 1.2 | |
| ≥ 1800 ≥ 1500 | | | | 7 . 7 | 77 20.3 | 79. | | | ************************************** | 2000 | 75.4 | 7 | 7 t | ***. . ***. | | 7 |
| ≥ 1200 ≥ 1000 | 1.1 | 1. | 1 1 • 14 2 • • 1 | 01.0 | 94.7 | 1.1 | 3 . • 1 5 6 • 3 | | 1 • • | 31. Ja•a | 1. | 1.5 | 1.6 | 21.4 E.E. | 11.5 | |
| ≥ 900 ≥ 800 | 1.1 | . 1 | | *1.0 | 74.7 | 4. i | 74.1 55.1 | 7 • <u>1</u> | 7.1 | 7: • 1 • 7 • 1 | 7.1 | 37.1. | 77.0 7.7.1 | | 27.1. | |
| ≥ 700 ≥ 600 | • • | . 1 | • | 5 - 9 | - ; | 7.1 | 57.4 | 49 | 9 | - 1 | 90.8 60.8 | | • 4 | | 8.0 20. | |
| ≥ 500 ≥ 400 | | | | 7.9 | 7.4 | 7 • # | 7.7 | 1 | | 24.4 123.43 | 1.7 <u>. u</u> | ्र ५ <mark>. स्</mark> १८८ • २४ | 77 3•00•0 | 10.4 | | |
| ≥ 300 ≥ 200 | i • 1 | . 1 | | 7.3 | 5. | 2 1 | | 1 | - 1 | - 1 | 7 | Îğr . 50 190 . 19 | | 1.1. | = | |
| ≥ 100 ≥ 0 | | | | | 74.04 | n . 1 | . 4 | - | • ! | | | • . | | | | |

| TOTAL NUMBER | OF ORSERVATIONS | |
|--------------|-----------------|--|

CEILING VERSUS VISIBILI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CELNG | | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|------------------|--------|----------------------------|----------|---------|--------|----------------|---|-------------|------------|------------|-------------|----------|--|--------------|---|--|
| FEE' | . ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 3 | ≥ 2 | ≥ יי, | ≥ 11. | ≥ 1 | ≥ 1, | ≥ 4 | ≥ ', | ≥ 5 10 | <u>.</u> | |
| NO CEILING | , | . ; | ; | . 1 | , ; | | | | | | | | | | | |
| ≥ 20000 | • | . ! | 1 . 1 | • • | 1 .1 | 1.4 | | • | | 1.1 | • •. | <u>.</u> | | . : | | |
| ≥ 18000 | . • | , , <u>,</u> , i | 1.1 | i | | | | 1 | | | | | 7.1 | | | |
| ≥ 16000 | | . 1 | 11.1 | | | :. | • • • | | 11. | 11. | | | . • | | | |
| ≥ 14000 | | . , i | 11. | 11. | | | | | | | | | | | | |
| ≥ 12000 | | | . 1 | 1 | 1 . 1 | 1 | | | | | | - | | | | |
| ≥ 10000 | | • | | | | | 1 | | • | 1 . | | | | | | |
| ≥ 9000 | | | | | | • | | | | | 1 | | | | | |
| ≥ 8000 | | | | | | | | | | 1 . | 1 | | ÷ | • • • | | |
| ≥ 8000 ≥ 7000 | | 13.0 | 1 | | 1 | | | | | | | | | | | |
| F | | 9.1 | . 1 | | 7 | | | | | | <u> </u> | 1 . | | | | |
| ≥ 6000 ≥ 5000 | | | | | 1 - 1 | | | | | | 1 | | | • | | |
| ł 1 | | . i | - : | · ; | 1 4 | | | | | , | | | , | • | • | |
| ≥ 4500 ≥ 4000 | | | 71.1 | 1 | - | • | • | • | | | • | | • | • | | |
| h 1 | | - : | - 24 T T | | | - | | | • | | • | • | | • | | |
| ≥ 3500 ≥ 3000 | _ | 9 4 | | | | | | • | • | | | | • | • | • | |
| | | | | | - | | = | , | | = | | • | • | | • | |
| ≥ 2500 ≥ 2000 | - ; | • • | 7 | | | | • | | • | • | • | , | . • | | • | |
| 1 1 | • | • | • | | - • | •; | • | • | orași și | • | · , , • · · | • | | , • | | |
| ≥ 1800 ≥ 1500 | | | 7 | 3 1 | • | - 7. • 1. • | | | • | • | | • | • ` | • | | |
| 1 | • | | | | | • | • | • | • | • | • | • | • | • . | | |
| ≥ 1200 ≥ 1000 | • | | • | | | . • 1 | | • | • | • | • | • | • | • | • . | |
| † | • | | | • | • | | • | | * • | • . | • | • | | • | • | |
| ≥ 900 ≥ 800 | | | | • * | • | | • | | | 6 4 | • | • | | • | | |
| + + | • | | | 11. | | | • | • • | | | • / | • 7 | | | | |
| ≥ 700 ≥ 600 | • 14 | • 1 | • | 1 • 4 | • | • | - 1 to 1 | 7.7 | | - 1 → 10 | • 4 | • • | | • 4 | • | |
| r 1 | | | | - 5 | | <u> </u> | . <u>. : 3 • . </u> | | | • • | 7. | • . | •] | . `• | | |
| ≥ 500 ≥ 400 | . 4 | • 4 | • | . 1 | • | - 6 - 4 | | • 7 | • 7 | • | • • | | • 45 | • 1 | • | |
| ≥ 400 | • '! | | -• - | | | | | | . <u> </u> | | | 1 | . • | . • | , t | |
| ≥ 300 | • ' | • 4 | | • 1 | • | 5 . | * • * | ** • · | • • | . | | 101 🕶 🕮 | • | 1 | | |
| ≥ 200 | • | | | 1 | | | , > , u, | | | <u> </u> | | <u> </u> | • | . • . | • | |
| ≥ 100 | • 4 | • • | • | 7.1 • 3 | er 🕶 🧗 | (• d | 7 . 6 | 1, 4 | F | • | • | L: •"1 | <i>*</i> * * * * * * * * * * * * * * * * * * | : '•' | • • • | |
| ≥ 0 | | | • " | 1.43 | • | n. | - 1 · 4i | <u> </u> | • | | | | | • | <u> </u> | |

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVA, ABATOTP SESSICE CETACHTS OF A HEAR, E TWO

114

!N

14

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION RAME YEARS

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MILE | \$) | | ···· | | | | |
|-----------------------|--------------|---------------------------------------|---------------------------------------|----------|-------------------|---------------------|--|----------------------|------------|---|-------------------------|--|------------|----------------------------------|------------------|---------------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 215 | ≥ 2 | ≥ 11½ | ≥ 1% | ≥ 1 | ≥ 1, | ≥ 4, | ≥ ⅓ | ≥ 5-16 | ≥ . | _ · ≥ o |
| NO CEILING ≥ 20000 | | • 4 | | • 1. | | | | • 3. | • | . 1 | • 1 | . 1, | • i | • • | 7 • i | |
| ≥ 18000 ≥ 16000 | • 1 | • ! | 1 | 1 | 1 .7 | 1 . 7 | 1 . 7 | · • 7 | 1 3 7 | , , , , , , , , , , , , , , , , , , , | | 1 . 7 | 17. | | | |
| ≥ 14000 ≥ 12000 | • 1 | 11.1 | 11. | 11. | 11.7 | 11.1 | 11.4 11.4 | 11.4 <u>11.44</u> | 11. | 1. | 11. | 11.1 | 11. | 11. | 11.1 | 11. |
| ≥ 10000 ≥ 9000 | • ; | 1 | 1 , | 1 · • 0 | 1 | 12.1 | 17.9 | 14 | 1 . | 11.0 | 17.4 | 1 | 1 \. | 1 | 12.5 | 1 |
| ≥ 8000 ≥ 7000 | • ! | 17.1 | 1 ! 1 | 1 . 1 | 1 | 17.1 | 17.4 | | 1 | 1 | 17.1 | 17.1 | 1/.7 | 11. 17.1 | 17.1 | ۱. لاولاني |
| ≥ 6000 ≥ 5000 | • ! | - (- • ! - <u>-</u> • } | 1 • ! | | 1 • 7 - 1 • 1 | | 11.7 | | 1 . T | 1 • " | 1 • 4 | 1:07 | | 15.7 55.3 | | |
| ≥ 4500 ≥ 4000 | . • : | | i i i | <u>.</u> | 7.4 | | <u> </u> | 7. | • • • · | ا الله الله الله الله الله الله الله ال | • | 7.4 | `` | Y 100 € Y 2 2 7 €±4 | 17.4 4 | |
| ≥ 3500 ≥ 3000 | • ! | · · · · · · · · · · · · · · · · · · · | 4 <u>•</u> | | 3 · • () | | ************************************** | | | | 31 3 - 21 | 34.3 4 | * 1 | 5 - 34 • (, - 4 <u>• 2</u> • | 34. \ 4°. | 1 . |
| ≥ 2500 ≥ 2000 | • } | 7.4 | <u></u> | د . ا | | | | 71 <u>• 4</u> | | | 71. | | 12.0 | 1. | 71. | 7. |
| ≥ 1800 ≥ 1500 | ! | | - } | | | | _ 7. 7.•. }. | 7•3 | • i | 7, • 1 _1, • 1, | | 7.7 | 7.7 | 7t • ⁴ 57 • ↑ | 76 • 1 27 • 7 | |
| ≥ 1200 ≥ 1000 | 1 • • • 1 | | | 4. | | . i • i ∵. i • i | 1.0 | | | 7 . • (7 5 • 1 | 24 <u></u> | 2 • 4. | • | v. ≢fr # | · · · · · | |
| ≥ 900 ≥ 800 | • • | | | | 7. • 1 53. • 1 | 14 • d - 4 • f | <u></u> | | | · ' | | | • | مرون وأويلان | 26. 26. | • |
| ≥ 700 ≥ 600 | - 4 | 7 • 4 - 7 - 4 | * * * * * * * * * * * * * * * * * * * | • • | | 4.4 | · 7 · 1 - 7 · 1 | 7,7 | | • • | | - 1 - 1 | • 1 • 1 | 97.1 . (1. <u>4.</u> | | , i |
| ≥ 500 ≥ 400 | • 1 | 1 | - | | 54. | 5 • 1 | 3 7 . 1. 6 . 1. | 71 N | <u> </u> | 30 · 1 | 33 9 7 11 3 3 3 7 | 77.7 | an • 7 | | | • • |
| ≥ 300 ≥ 200 | 1.1 | 7 - 4 | | .3 | | 5. | 96.b | **** | | | 100.41 100.41 | 30.01 00.01 | • • | | | |
| ≥ 100 ≥ 0 | 1 • 1 | - 4 | • | • - | 14 | 6. | • • | • 1 | 4,1 | | | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | • | 1 | : | • |

| TOTAL NUMBER OF OBSERVATIONS | 7 1 |
|------------------------------|-----|

NAVAC WEATHER SERVICE DETACHNESS FARMEN JUE NO

STATION

CEILING VERSUS VISIBILITY

1 1 - HOURS & S T -

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | _ | | VIS | SIBILITY (ST. | ATUTE MIL | ES) | _ | | | | | |
|-----------------------|-------|---------|----------|---------------|--------------|---------------------|----------------------|---------------------|----------------------|--------------|--------------------------|------------------------------|--|--------------------------|-------------------------|---------------|
| (FEET' | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 219 | ≥ 2 | ≥ 1/3 | ≥ 114 | ≥ 1 | ≥ 3, | ≥ 4, | ≥ 1/3 | ≥ 5-16 | ≥ :. | ≥ 0 |
| NO CEILING ≥ 20000 | • 1 | | | • | | | | • | • | f . | • | | | | 5. | |
| ≥ 18000 ≥ 16000 | 4. | • ! | | • 4 | • • | • i | • i | • 1 | • 1 | • 1 | - 1 | • 1 | • 1 | | | |
| ≥ 14000 ≥ 12000 | | • | | . 4 | . 4 | | | _ | : ∎ 4 • 40 | • - | | - 4 | | | • | |
| ≥ 10000 ≥ 9000 | | • | 1 | . 7 | • 7 | | 3.7 | 3.7 3.7 | 7 . 7 | | | . 7 | | | | |
| ≥ 8000 ≥ 7000 | • . | | 1 | 1 | 1 | 17.1 | 17. | 17.5 | 1 . 1 | 1 . 1 | 1 | 17.5 | 1 . 3 | | 17. | 1 .1 |
| ≥ 6000 ≥ 5000 | . 1 | 1 | 1 1 • 4 | | 1 . 5 | 10.1 | 1 . | 19.4 19.4 | 1 | 1 | | 1 .5 | 1/. | 1. | 17.5 | i . |
| ≥ 4500 ≥ 4000 | • 1 | | | ર્શે • પ | | | 2 5 . 12 | 1 . 4 | } | 1 . | 7.0 | 1 • 4 | | | 17.4 23.4 | |
| ≥ 3500 ≥ 3000 | · • 1 | | i | • . | a '•1 | 15.1 | 4 • • | 7 • \\ 4 [•] | _• | 4 | 65.65 | 33.7 44.5 | | n garak Tabban | - 73. ° - 45. • 1 | 7 . 1, 4 . |
| ≥ 2500 ≥ 2000 | • 1 | . 5 • | 7/* | 7 • 9 | 7/.• | ুলিক ুল | 74.0 | | 77. | 7. | 7.0 | 7 <u></u> 7 <u>e</u> . 3 | | 73.4 | 76.5 | 7:/• |
| ≥ 1800 ≥ 1500 | • 1 | 17. | ; 7 ! | 4, , (| | | | | • "! • "! | 7 J • 1 | 17•8 144•1 | | · · · · · | • | | • |
| ≥ 1200 ≥ 1000 | • 1 | 7 | | 4 | , , , | 1.7 5.7 | | | • | · | 97.7 96.4 | | • | | 197.8 191.44 | • |
| ≥ 900 ≥ 800 | • 1 | | 1 3 - 7 | . 7 | | ۹. به ۱. م | - 25 • 4 - 17 • 7 | 7.7 | 17.7 | 26. | · */ • · | _ <u>+ _</u> • <u>i</u> , | .1 | ``*6 • ₹ ', *(3 • ‡, | >*• -/*•1. | |
| ≥ 700 ≥ 600 | | | | | | ^•1 <u>- 6•1</u> | , , , , | 13 . 64 | | 99.4 29.4 | 4 7 4. <u>4. 4.</u> | 7 .7 5.799 | 1.00 ± 1. | 7 7 9 4 9 1 75 4 6 | 90.7 79.4 | |
| ≥ 500 ≥ 400 | • ! | | | | | | · · · 7 | | 7 . 7 . 7 . 7 . 7 | 95.7 39.7 | 49.7 2.2.7 | - 29 • 7 - <u>2</u> 3 • 7 | .६८ ,⊺ -१७ , 1 | ! | 79.7 149.7 | *** |
| ≥ 300 ≥ 200 | • | <u></u> | | • | 7 in • iq | | | | - \$. 7 - 7 | | 1) nn • 13 11 = n • m | | 1 1/ • 7 157 • 7 | 11 (1.0) 14 (1.0) | 140.0 1 <u>40</u> .q | |
| ≥ 100 ≥ 0 | • 1 | 7 | | • | | 5 , 3 | | 7. | -0.1 | | 11:1.00 13:00 • ?! | | | 역 10.3 <u>역 10</u> .3 | 188•0 <u>139•0</u> | 1 |

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE INC.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | - | | VIS | IBILITY (STA | ATUTE MIL | .ES) | | | | | | |
|-----------------------|------------|---------------------------------------|---------------------------|-----------------------------|--|----------------|--------------|-------------------------|---------------|----------------------|-----------------------|----------------|----------------------------------|--------------------------|--------------------------|--------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/3 | ≥ 114 | ≥ 1 | ≥ ¾ | ≥ % | ≥ ⅓ | ≥ 5/16 | ≥ '. | 20 |
| NO CEILING ≥ 20000 | | 7.4 | | '. 4 | | 7.4 | 7.0 | 7 . 1 | 7.5 | 7 . 4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7 |
| ≥ 18000 ≥ 16000 | - | 1 1 | 1 . 1 | | 1 1.1 | 10.1 | 1 | 1/ • 7 | 31.1 | 12. | 17.7 | 1 | 17.0 | 17.1 | | |
| ≥ 14000 ≥ 12000 | 4.1 | 11. | 11. | 11.1 | 11.4 | 11. | 11.4 | 11. | 11. | 11.5 | 11.6 | 11.0 | 11.7 | 11.0 | 11. | 11. |
| ≥ 10000 ≥ 9000 | • 1 | 7 • I | 1 \ 1 | 1 . 7 | 17.4 | 12.3 | 17.5 | 1 . 3 | 1 | 1 . 4 | 1 - 1 | 12.4 | 11.5 | 1 | 17.1 | |
| ≥ 8000 ≥ 7000 | • • · | 11 | 17.4 | 1 6 | 15.4 | 10.t | 12.4 | 34.9 | 1:06 | 1 | 17.6 | 10.6 | 1 . 4 | 1. • (| 13.6 | 1 9 |
| ≥ 6000 ≥ 5000 | •] | 17.4 | 15.1 | 1 . 9 | 17.4 | 15.4 | 1 - 7 | १८ , ६ 17.44 | 17.0 | 17.4 | 17.4 | 17.4 | 1 . 4 | 17. | 15.4 | |
| ≥ 4500 ≥ 4000 | . 1 | 19.₹ - ₹•1 | 27.4 | 1 7 . 3 7 . • e | 1 .T | 12.7 | 11.7 22.4 | 1 • 7 27 • 6 | 11.0 | 1 . 7 | | 19.7 | 1 . 7 | 19.7 22.6 | 19.7 | |
| ≥ 3500 ≥ 3000 | | 12.1 | 33.7 47.9 | े के जिल्ला स्टेड के ज़ि | 77.9 45.41 | 3.1 | 37.3 45.€ | 45. <u>5</u> | 4.7 | 45. | | 43.9 | 7,0 | 77. | 35.0 | 4 |
| ≥ 2500 ≥ 2000 | 1 • 4 | • 4 | 2 - 4 71 - 7 | - 01.1i <u>-75.4</u> 9 | ् _र ्रु • ल <u>१४० च</u> | :3.7 14.3 | 74.0 | ь <u>с</u> | 76.5 | 6 . • † - 7 * • 5 | 74.5 | 74.5 | 74.5 | 5' • / 24 • _ | 74.5 | 7.45 |
| ≥ 1800 ≥ 1500 | • ! | · . | त्र . य उ र . य | ेर•व "4•5 | 77.7 :7.1 | 77 • 1 | 77.7 | 7(• 1 7 • 7 | 7 . 1 | 7 • 1 27 • 7 | 7 • 1 | 7 .1 | 7 • 1 | 7:1 | 75.1 | 7,7 |
| ≥ 1200 ≥ 1000 | | • | ्र । • त् क्रम् | | 34.7 73•7 | 19.7 | 34. | 5 <u>. 3</u> | ٠ | ্ত তথ্ | C 4 2 C | 54.1 | កក្នុង <u>ក</u> ម <u>្</u> ឡុ | 90.3 34.1 | 30.7 24.5 | |
| ≥ 900 ≥ 800 | • 1 | 70.1 | ক'•ম <u>ক'•ম</u> | ^ .7 | 27°•4 24•3 | 4.3 | 94.5 75.5 | 74 • al 16 • 1 | 94.5 55.1 | જઠ•& <u>જદ•ધ</u> | 의 독 . 2 - 연구 . 6 . | 9 • ? 93• ? | 71.2 3 <u>5.</u> 3 | 35.3 | <u> ج ۾ ۽ ج</u> | 50 • 1 |
| ≥ 700 ≥ 600 | 1 | · · · · · · · · · · · · · · · · · · · | 5 · 1 | 01.4 50.6 | 76 . 1 | 5.5 5.1 | 95.0 77.4 | 7.4 | 37.0 9 .1 | ⊊7.7' ₹2.4 | 9 - 1 57 - 7 | 90.1 98.7 | • 1 | ~ 5 . 7. | 98.) <u>98.</u> 7; | · ! |
| ≥ 500 ≥ 400 | | | 3/ • 3 | 52.4 | 16. | 6 • 5 6 • 5 | 27.7 | . 4 | 0 1.4 00.4 | 93.7 95.7 | 99. 79.0 | 35.1 | -0.0 200 | 59.6 79.61 | ુવા. | • |
| ≥ 300 ≥ 200 | . च . १ | 7 | $f_i \in \{1, 1\}$ | 7.43 | (6.1 | 6. | 07.7 91.1 | 1 գ. կ 12 . 7 | | ر، و در | 700.4 | 29.4 29.7 | 99.4 | 20.7 | 30.4 59.7 | 79.4 33.3 |
| ≥ 100 ≥ 0 | | 75.44 75.44 | | 3.6i 3.6j | 96 • 1 95 • 1 | 6. | 67.1 13.1 | 7 | 7 | 0 | ର୍ଗ୍•ୁ™ ଦ୍ବ•ୁ™ | 7.7 | 7 | ्र्जु•र १ २ •१ | اد.ده: <u>اللاءة:</u> | |

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

4#

MAVAIL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|------------------|----------------------------|---------------|----------------|------------|-------------|-------------|-----------------------|------------|---------|-----------------|----------|----------|----------------|----------------------------|------------|-------|
| (FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 11/3 | ≥ 1% | ≥ 1 | ≥ 3, | ≥ % | ≥ % | ≥ 5/16 | ≥ 4 | ≥ 0 |
| NO CEILING | • | 1.1 | 1 . 1 | 1 7.7 | 1 . 1 | 10.3 | 1:.3 | 1 | 1 | 1 | 1 . 7 | 1 . 4 | 1 | 1 3 | 12.3 | 1 |
| ≥ 20000 | • 1 | 1 1 | 1 | 1 .4 | 1 .1 | 13.4 | 17.0 | 15.7 | 13. | 1 | 13.4 | 13.2 | 1 3 . 3 | 1 1 2 | 12.2 | 17. |
| ≥ 18000 | • | : i | 1.1 | • | 10 | 14.6 | 14.0 | 14.5 | 14. | 14. | 34. | 14.5 | 14.1 | 14. | 14.3 | |
| ≥ 16000 | • 1 | 1 34.4 | 1 .] | 14.7 | 14.3 | 14.1 | 14. | 14.9 | 14.5 | 14. | 14.0 | 14.5 | 14.5 | 14.4 | 14.3 | 1000 |
| ≥ 14000 | • - | 14.1 | 1 | 14.3 | - 1 | 14.9 | 100 | 14.4 | . 4 . ~ | 14. | 14.5 | 14.5 | 14.3 | 14. | 34.3 | 1 |
| ≥ 12000 | | 1 . 1 | 1 7 | 15.3 | 1 . 3 | 15.7 | 1 5 . 3 | 1 . 2 | 17. | 11.0 | 11.2 | 13.2 | 1 | 15.0 | 1 7.0 | 100 |
| ≥ 10000 | 1. | : .1 | 1 | 1 - 5 | 1 - 1 | 19.0 | 1 | 1 3 4 | 16.7 | 15.1 | 1 . 4 | 7.5 | 100 | , 15. | 15.5 | |
| ≥ 9000 | | 1 . 1 | 1.3 | 11.3 | 10.4 | 15.4 | 3.5 | 12.4 | 15.0 | 10.4 | 15.0 | 15.5 | 7 1 | 1 | 30.0 | 1 |
| ≥ 8000 | | | 1.1 | 1 . 1 | 11.1 | 10. | 1 7. 1 | 1 | 17 | 1 | · · · | 12 | 1 . 0 | 1 . | 15.0 | |
| ≥ 7000 | 1 | | 1 .4 | 1 4 | 11.4 | 10.4 | 1 .4 | 1 . 4 | 1 | n | 11.4 | 1 | 1 .4 | | 12.4 | 1 . |
| ≥ 6000 | 1.1 | 1 1 . 7 | 1 | | - 45 T | Tr. 1 | 7.0 | | | 1 2/2 . 1 | 77.7 | 3 | | | | |
| ≥ 5000 | | 1.1 | 71.0 | 11.5 | | 1.1 | | 1.4 | 11.4 | 71.4 | 21.5 | 21.5 | 11.0 | 21.6 | 21.4 | 71.7 |
| ≥ 4500 | | , | | 7. | 2 1 1 | 7. | 7.3 | 7.1 | , , , | | | | | 7 | 73. | |
| ≥ 4500 ≥ 4000 | | | 31.4 | 4 | 2 . 1 | 76.1 | 200 | 16.4 | 36.43 | , | 24. 8 | 2 : • 3 | 34.4 | | | |
| F - | | ₹: | 11.1 | 74.3 | 74 | 4 | 34 | 16.1 | 34. | 713 | 34.1 | 7, | | | 34 | 7.4 |
| ≥ 3500 ≥ 3000 | | | 4.4 | 166 | 44.7 | 4.4 | 44.7 | الحيد بناء | . 4. 7 | 44. | اد یا را | 44.3 | 44.7 | 4.4 | | 44. |
| 2 2500 | | 1.1 | 1 | 7.1 | टच- व | 77 | 57.7 | 7.7 | 7.7 | 57.7 | 7.7 | 7 7 | TE = 14 | (3) | £ 7 . 7 | 7.7 |
| ≥ 2500 ≥ 2000 | 3. | | 7 . 1 | 7 | 74.3 | 4 | 70.0 | 74. 54 | 74.0 | - ; | 7 | 74.1 | 74. 3 | 74 - | 74-5 | 74 |
| } ⁻ | | | 7 5 | 7. 1 | 77.4 | 75 -1 | 7 | 7 | 7 - 4 | | 7. | 7 4 | 37 | 7, | 7= 4 | 7 4 |
| ≥ 1800 ≥ 1500 | | | 7 - | 1 4 | 44. 9 | 5.1 | . a . u | | | | | F 6 . 10 | | - M - 4 | | 7.6 |
| } ~ - + | | | 1 2 4 7 | , <u> </u> | 61.1 | | | | 77.7 | 73. | , - | | | | | 0 1 . |
| ≥ 1200 ≥ 1000 | | i le . | | | 0 2 | 1 3 1 | 84.7 | | C4 . | 90.0 | 4.4 | | 1.1: | 5 A S | 44.5 | |
| } " | 1.1 | 1 5 1 | 7 | ्रच्ये प्र | 3.1 | 14. 1 | 9,- | - (FA) | 3.4 | 9: 1 | 0 | - 1 | 56.3 | 6.1 | 45.1 | 9 .1 |
| ≥ 900 ≥ 800 | 1 | | ं रुखा | | 94.3 | | 67.1 | 7.4 | 7 . 6 | . १८ म ् | | 27.4 | 07.4 | 7.4 | 27.4 | 07.4 |
| } | | 77.1 | चन् <u>र</u> न | 4 | 54 d | | 7.7.7 | | 9:21 | 25.1 | e 6 . 1 | | | • = ; • ;• | . i. • 7. | _ |
| ≥ 700 ≥ 600 | | 7.1 | 1 4 | 7 | 0 . 7 | 6.7 | 4 | 7 | | | 08.7 | 7 7. | | 7 - 4 1 | 18.7 | • 1 |
| | | | | • | - section | 3 1 | 35.7 | | - ^ | 00 | 99.4 | | | • = = = - | 53 | ~ 0 |
| ≥ 500 ≥ 400 | • | 77.1 | 3,4 | 01.1 | | 7.1 | 39.7 | 5 . 1 | 99.0 | 79.5 | 99.4 | | u | 60.4 | 2 0 | • |
| | - , | 7.7 | | | | | ∵ . . | 7 | | 35.0 | 99 4 | | | | 43.4 | |
| ≥ 300 ≥ 200 | • , | 1 | - 1 | 1. | 25.5 | 7.1 | 90 | • | • | 1 | | | | | | |
| | | - | 34. | | 7 | 7.1 | 73. | 7 | -9.7 | 99.7 | | | 1000 | 4-29 | 120.4 | |
| ≥ 100 | | | 1 | | • | | | | 70.7 | | : 10 • i | | 150 . U | illu teeta ini. Otooboo | 100.0 | |
| ≥ ° | "。 | 7.1 | 54 4 7 | 11.4 | 7. 7. 6. 70 | 77.1 | 1.3. | 17.47 | | , sq.7; | 1 1 | 15t.D | 100.7 | 1 3 0 0 | 10000 | 1 |

| TOTAL NUMBER OF OBSERVATIONS | |
|------------------------------|--|
|------------------------------|--|

NAVAL WEATHER SERVICE DETACHNEST ASHEVILLE, NO.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST. | ATUTE MIL | .ES) | | | | | | |
|-----------------------|------|---------|--|----------------|----------------------------|-------------------|------------------|-------------------|--------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 11. | ≥ 1 | ≥ 4 | ≥ % | ≥ % | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | | 1 . | | 1 . 2 | 17.7 | 15. | 11.7 | 1 .4 | 17.5 | 13.7 | 17.3 | 11.9 | 15.2 | . • • • : | 17.0 | 13.4 |
| ≥ 18000 ≥ 16000 | | 1 | 1 . 1 | 10.5 | 15.5 | 16.5 | 16.9 16.9 | 14.∄ 18.∰ | 16.5 | 10.5 14.5 | 14.5 | 15.9 | 16.5 | 16.5 | 14.5 15.5 | 17.7 |
| ≥ 14000 ≥ 12000 | | 1 . 4 | 1 1 | 17.1 | 15.5 17.1 | 15. | 18.5 | 16.5 | 1 7 . 1 | 1:.5 | 10.5 17.1 | 16.5 | 17.1 | 15. | 15.5 | 15.1 |
| ≥ 10000 ≥ 9000 | | . 7 . 1 | 17.1 17.1 | 1 - 1 | 17.1 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 17.1 | 17.1 | 17.1 | 17.1 17.1 | 17.1 | 17.1 17.1 | 1 - 1 |
| ≥ 8000 ≥ 7000 | | 27.1 | 2 • 1 | 17.7 | 17.7 | 17.7 | 17.7 | 11.7 | 17.7 | 17.7 | 17.7 | 17.7 20.0 | 17.7 | 17.7 | 17.7 | 17./ |
| ≥ 6000 ≥ 5000 | | | 21.1 | 11.4 | 20.4 11.4 | 11. | 25.7 21.6 | 20.3 1.4 | 23.7 21.8 | 27. | 20.7 | 27.3 | 27.3 | 21.5 | 21.6 | 21. |
| ≥ 4500 ≥ 4000 | | • • | 20.9 | 2 4 | 20 · · | 74.4 | 24.8 30.0 | : 4 + 19 | 24.1 33.1 | 24 €5 112 • 1 | 24.0 3€.¶ | 24.8 37.0 | 20.3 30.9 | 24.9 30.0 | 24.8 30.0 | |
| ≥ 3500 ≥ 3000 | | 1 - 1 | 27.4 | ₹?•4 ٤ • \$ | 37.4 40.4 | 77.4 | 37.4 | 17.4 47.6 | 37.4 43.4 | 77.4 40.4 | ~ . u | 37.4 | 4 4 | 7.4 | 37.4 | 27.4 4 .4 |
| ≥ 2500 ≥ 2000 | • | j : | 6, . 7 | 73.4 | 61.t | 4.4 | 61 • 1 74 • 4 | 1.6 74.8 | 7 | 01.4 | 74.3 | 51.6 | 51.6 | 61.6 74.5 | 61.6 | 74.5 |
| ≥ 1800 ≥ 1500 | | 1.7 | 81.3 | 76.8 | 7: • 1 | 78 • 1 • 7 • 1 | 79.1 57.4 | 71 • 1 • 7 • 4 | 77.1 37.6 | 7 - 1 47 - 7 | 7' • 1 67.7 | 79.1 | 78.1 37.7 | 78.1 | 70.1 | 7 9 . 1 |
| ≥ .200 ≥ 1000 | • | 77.7 | 8 . 7 6 - 1 | 9 . 7 | ବ ି • ଖି ଜ୍ୟ • ଅ | 92.4 15.5 | 96.1 | 5.2 | 35.3 34.1 | 33.4. 30.65 | 93.6 | 93.6 | 54.5 | 93.6 | 96.5 | 93.1 01.5 |
| ≥ 900 ≥ 800 | • | 7 .4 | 7 1 3 3 4 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 91.4 91.4 | 95.8 | 6.1 | 95.4 | 75.5 27.7 | 97.7 | 98.1 | 94.1 | 96.5 | 36.8 39.1 | ୮6.ୟ ଜ∂.1 | 96.8 | 96.2 97.1 |
| ≥ 700 ≥ 600 | | ? • 1 | . i | 02.6 | 37.7 | e . 1 | 99.7 | 99.7 | 95.7 | 99. | 09.7 | 99.5 | ก¶.8 *9.8 | 99.0 | 99.9 | 6 97.0 |
| ≤ 500 ≥ 400 | | | 7 61 | 2.9 | 28.4 | 7A . 7 | 39.7 | 9.7 4.7 | | | 1,7.0 | 100.0 100.0 | 100.0 100.0 | 170.0 170.0 | 120.0 120.0 | 1°5. 1°3.0 |
| ≥ 300 ≥ 200 | , | | • 4 | 72.9 | 7 G . 4 | (3.7) | 99.7 | - 7 . 7 - 7 | 77.7 | | 100.7 | 100.0 | 100.5 100.0 | 170.0 170.0 | 100.3 100.0 | 100.5 100.5 |
| ≥ 100 ≥ 0 | • 3 | | ं • म १ • भ | 92.49 92.49 | 75 . W | 8.7 0.7 | 74.7 | • • | | | 100.0 | | | 0.001 | - | |

| 2 | 1 | 1 |
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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | .ES) | | | | | | |
|------------|---------|----------|-----------------|--------|--------|--------|---------|--------------|-----------|--------|----------|----------------|----------------|-----------|-----------------|---------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ % | ≥ % | ≥ % | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING | 1.0 | 11. | 11.5 | 11.5 | 11.5 | 11.3 | 11.5 | 11.5 | 11.7 | 11. | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.1 |
| ≥ 20000 | 1.1 | 12.3 | 1 .7 | 1 7 | 17.3 | 12.1 | 12.2 | 12 | 17.7 | 13.8 | 1 . 7 | 17.2 | 12.2 | 12.2 | 13.3 | 12.7 |
| ≥ 18000 | l | 12.7 | 17.7 | 19.7 | 13.7 | 15.7 | 13.7 | 13.7 | 13.7 | 35.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 11.7 |
| ≥ 16000 | • 1 | 13.1 | 12.9 | 12.0 | 13.8 | 13.0 | 13.8 | 13.3 | 13.0 | 17.5 | 13.0 | 17.5 | 13.8 | 13.= | 13.9 | 17. |
| ≥ 14000 | | 14.0 | 14.7 | 14 . : | 14.7 | 14.1 | 1 4 • 0 | 14.1 | 14.7 | 14.3 | 14.7 | 14.3 | 15.0 | 14.0 | 14.5 | 14. |
| ≥ 12000 | . 1 |]4.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14 . 4 | 14.4 | 14.4 |
| ≥ 10000 | • | ir · 4 | 14.4 | 14.3 | 14 .: | 14.5 | 14.0 | 14.8 | 1 4 • 0 | 14.0 | 14.3 | 14.0 | 14.5 | 14.8 | 14.3 | 14.5 |
| ≥ 9000 | | 1. | 1 • 7 | 13.7 | 15.7 | 15.1 | 15.1 | 15.7 | 1 . • 7 | 1 ': • | 10.0 | 15.0 | 1 | 1 | 15.7 | 150 |
| ≥ 8000 | • ! | 10-4 | 1 . 6 | 1∃•€ | 1 . (| 15.6 | 15.6 | 15.0 | 15.6 | l' • f | 15.6 | 15.5 | 15.6 | 15.6 | 15.5 | 17.6 |
| _ ≥ 7000 | | 17.1 | 17.7 | 17.5 | 17.2 | 17.4 | 17.9 | 17.7 | 17.0 | 17.7 | 17.9 | 17.9 | 17.9 | 17.6 | 17.9 | 17.3 |
| ≥ 6000 | - 4 | 1 . | 1 • | 1 • 7 | 1 7 | 10.7 | 11.7 | 1 " • 1 | 1 3 . 7 | 17 | 10.7 | 15.7 | 13.7 | 1 2 . 7 | 15.7 | 16.7 |
| ≥ 5000 | /· • | | • | | • | . U.7 | 27.7 | ``. | 20.7 | 21.7 | 27.7 | 2 1.7 | 7~.7 | 2.07 | 27.7 | * 7 |
| ≥ 4500 | • 4 | 23.1 | 23.0 | ? `•? | 27.7 | 73.2 | 52.5 | 2:.2 | 23. | 03.7 | 23.2 | 23.2 | 27.2 | ₹3.7 | 23.2 | 73.2 |
| ≥ 4000 | •] | i dita 🐧 | 27.1 | | 7,7 | . 7 • | 27.1 | 7.7 | 27.7 | 27.0 | 27.7 | 27.0 | . ? . G | 27.5 | 51.0 | . 7. |
| ≥ 3500 | . • 4 | 7 • 1 | 3 1 | 33.3 | 34.5 | ેવ • ગ | 34.8 | रक स | 34 • F | 36.8 | ₹0.0 | 34.3 | 34.8 | 34 . | 34.8 | 78.6 |
| ≥ 3000 | 1.1 | 45.1 | 45.7 | 41.7 | 41.3 | -6.3 | 46.0 | 45.8 | 46.0 | 40.0 | 45.5 | 46.3 | 400 | 46. | 06.0 | 46.5 |
| ≥ 2500 | • 1 | | • | • | 50.3 | . 2 | 67.5 | 4 | , u | | 4 6 | € 11 • 4 | ~ · · • 4 | £ | 67.4 | 1 · • • |
| ≥ 2000 | | 35. l | 71. | 77.4 | 74.1 | ~4.2 | 74.7 | 74.5 | 74.5 | 74.9 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥ 1800 | 1.1 | 71.4 | 74.6 | 77.1 | 7 | 78.5 | 75 | 7 , 6 | 73.6 | 7 - 6 | 75.4 | 70.6 | 70.6 | 75.6 | 78.6 | 72.5 |
| ≥ 1500 | • 1 | 75.7 | 87.4 | 14.1 | 86.7 | 0.07 | 57. | 7.5 | 7 . 5 | 37.0 | <u> </u> | 27.5 | <u> </u> | 47.5 | \$ 7 • 5 | 7.5 |
| ≥ 1200 | ~ • | 77.1 | 80,7 | 57.3 | 20.1 | 1.0 | 71.4 | 1.7 | 71.7 | 91.0 | 21.5 | 91.5 | 01.4 | 01.2 | 91.0 | 1 - S |
| ≥ 1000 | • 1 | 7 | 44.1 | 25.7 | 91.3 | 74.7 | 94. | 14.9 | 94.0 | ବ୍ୟ 🔐 | 95.0 | 95.0 | ن ۾ ۾ وڙن | 25.0 | 95,7 | ?:•⊃ |
| ≥ 900 | • 7 | 71.5 | يار <u>نا</u> ر | 7 5 | 73.3 | 1.4.7 | 95. | 75.0 | 32.0 | 26.03 | 6000 | ាខ. ប | 76.0 | 26 € | 96.n | 24. |
| ≥ 800 | • 5 | 78.7 | ्रध्य • भ् | < 7 | 94 . Q | 25.9 | 28.5 | 2 • S | 54.0 | 97.1 | 97.2 | 97.2 | 7.7.2 | 97.2 | 97.2 | 37.3 |
| ≥ 700 | 1 | 71.4 | 9 - 1 | 91.1 | 0: • 3 | 5.1 | 97.3 | 7.7 | 97.7 | 93. | 950 | 9 6 . 3 | 37.3 | ່ວກູ | 20.0 | 200 |
| ≥ 600 | · • 13 | 72.3 | P " " | \$1.4 | 95.€ | 6.5 | 97. A | · · · 3 | 98.7 | 98.7 | 94.7 | 98.7 | 95.7 | 00.7 | 98.7 | 3 2 . 7 |
| ≥ 500 | ં કે છે | 75.43 | 3 7 | 91.6 | 65.7 | 7.0 | 95.3 | 7.0 | A & . 4 | 79.2 | 85.3 | 95.3 | 10. | ີ ຈຸດ 🔭 ; | 5.9.3 | us, ~ |
| ≥ 400 | • | 74.4 | 9 | 91.5 | 36.7 | 77.1 | 9 - 4 | 79.0 | ୍ଟ୍ର | 09.4 | 99.5 | 34.5 | 70.6 | 99.6 | 49.5 | 7.9. |
| ≥ 300 | | 77.07 | 35.8 | 7.7 | 26.1 | 77.3 | 9300 | 20.05 | 99.0 | 99.6 | 99.7 | 29.7 | 40.R | C 9 | 97.2 | ୍ଟେ 😲 |
| ≥ 200 | • 1 | 70. | 20.1 | 91.7 | 44.1 | 7.6 | 96.6 | 00.3 | 79.3 | 94.C | 99.9 | 60.3 | 90. 9 | 60.0 | 90.0 | 04.0 |
| ≥ 100 | • (1 | | 7 | 91.7 | 96.1 | 67.0 | 48.5 | 9.3 | 79.3 | 34.5 | 99.0 | 99.7 | 100.0 | โกรเรี | <u>, jn.</u> g | 100.0 |
| 2 0 | 7.00 | 7.0 | P 5 . 4 | 71.7 | 76.1 | 67.2 | 99.5 | 19.3 | 49.3 | 33.6 | 99.0 | 99.0 | 101.0 | ano.o. | 160.0 | 103.7 |

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE NO.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | (BILITY (ST | ATUTE MIL | .ES) | | | | | | |
|-----------------------|--------------------|----------------------|----------------|---------------------|--------------|--------------|---------------|---------------------|---------------------|--------------------|-----------------|----------------------|-------------------------|-----------------------------|-----------------------------|------------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ≥ 116 | ≥ 11. | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ '. | ≥ 0 |
| NO CEILING ≥ 20000 | | 16. | 10. | 1,. | 10.5 | 15. | 1 7 | 1 • 5 | 1:.7 | 1: •: | 1/ . 3 | la.S | 1 . 3 | 16. | 16.0 | 1: |
| ≥ 18000 ≥ 16000 | | 15.7 | 14.7 | 17 | 15.7 | 10.7 | 16.7 16.7 | 11.7 | 16.7 | 11.7 | 1 . A | 1 7 | 1 . 7 | 16.7 | 14.7 | 10.7 |
| ≥ 14000 ≥ 12000 | | 17. | 17.7 | 17.0 | 17.5 | 17.1 | 17.1 | 17. | 17.1 | 17. | 17.1 | 17.0 | 37.0 17.0 | 17.0 | 17.7 | 17.1 17.0 |
| ≥ 10000 ≥ 9000 | | 17. | 17.0 | 17.0 | 17.7 | 17.0 17.2 | 17.5 17.5 | 17.7 | 17.3 | 17. | 17.7 | 17.5 | 17.3 | 17. | 17.3 | 17. |
| ≥ 8000 ≥ 7000 | , | 17.7 | 17.7 | 17.7 | 20.7 | 17.7 | 70.0 | - Tu - TH | 17. | 17.7 | تعاط | 17.7 | 17.7 | 17.7 | 27.0 | 17.7 |
| ≥ 6000 ≥ 5000 | | 1.7 | 21.0 27.3 | 21.0 22.3 | 21.q 20.3 | ·1.0 | 21.7 | 73.3 72.3 | 21.7 21.7 | 71. | 22.3 | 21.5 | 27.3 | 7.7 | .1.0 .2.3 | |
| ≥ 4500 ≥ 4000 | · | | 24.0 27.0 | 24.0 | 24.0 | "4 • " | 20.0 | ેય•ા <u>ેેલ્</u> | ેવ•7 <u>ેર</u> | 24.3 2.0 | 24.1 | 24.0 25.5 | 26.7 27.57 | 36.0 | 24.7 74.7 | 74. |
| ≥ 3500 ≥ 3000 | | | 30.0 | 74.0 42.7 | 42.7 | 2.7 | 34.0 47.7 | 4.5 42.7 | 34.7 47.7 | 3 + • 5 4 • • 7 | 34.7 42.7 | 34. | 34.5 | 14. | 34.7 | 34.7 #2.1 |
| ≥ 2500 ≥ 2000 | | | 51.07 7:07 | 71.7 | 57.4 77.1 | 72. | 3 7. 3 | 77.7 77.7 | 77.7 | 57.3 12.41 | :57.3 :72.4 | 7.7.3 | 77.7 | 57.3 | 57.3 72.0 | 7. |
| ≥ 1800 ≥ 1500 | | - - 7 .] | 77.7 57.7 | 23.1 | 95.1 | 5.5 | 75.3 26. | 75.7 [5.3] | ንዓ.ግ <u>ጸረ.ግ</u> | 75.7 37.1 | 75.7 57.4 | 75.7 <u>27.</u> 1 | 71.7 12.11 | | 75.7 37.2 | 77.7 |
| ≥ 1200 ≥ 1000 | | 7 | 97.47 64.3 | 9.00 | 91.7 91.7 | 92.7 | 92.7 | 12.7 19.00 | 7 . 7 | 93.5 95. | 1.1°13 Ω•⊑•Ω | 63.3 23.0 | د. وسفوند . | 97.7 1. <u>25</u> .91. | 93.7 45.7 | |
| ≥ 900 ≥ 800 | | 7 4 6 1 | | 5 2 . 13 5 2 . 7 | 97.3 | ·2•0 | 97.7 94.3 | 75 • 3 | 3.5.3 | 75.3 | 96.3 96.3 | 95.3 | و ما ان ليفوارد | 7••3 . <u>}•⊅</u> ⊈. | 95.3 36.3 | 1 |
| ≥ 700 ≥ 600 | i - | | pt. 7 | 50.7 | 99.7 | 3.3 | 94.7 | 5.7 | 75.7 | 75.7 | 96.7 | 35.7 | 26 • 7 <u>44 • 7</u> | 96 • 7 <u> 36 • 7</u> . | 6 • 7. _ <u>36 • 7</u> , | 7 |
| ≥ 500 ≥ 400 | | 74.3 | 3 . | 40.1 90.1 | 97.7 | 4 • · | 96.0 | 6.7 7.7.7 | 97. | 95.3 | | 97.3 | | 9.00 | - √P • 5 - 58 • 3. | 00.0 |
| ≥ 300 ≥ 200 | | 75 | 3 . | 2:.0 | 93.5 93.5 | 4. | 26.3 26.3 | 77.3 | \$7.7 \$7.7 | | 79.3 | 99.3 | 59.1 52.7 | | 30,7 | 99 • 1 93 • 1 |
| ≥ 100 ≥ 0 | | 79.3 | 3.5 | 95.5 |) | 14 • T | 96. 8 | 7.3 | 97.3 | 79 | 99.7 | 09.3 | - |] 00.400 <u>1.00.40</u> | : 00 • 0 ! 00 • 7 | 1990 • () 1992 • () |

| OTAL NUMBER | OF | OBSERVATIONS | |
|-------------|----|--------------|--|

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | - | | | VIS | IBILITY (ST | ATUTE MILI | ES) | | - | | | | |
|-----------------------|------|--------------|------------------------------------|----------------|-------------------------------|--------------|--------------|-----------------------|---------------------------------------|---|--------------------------|---------------------------|---|----------------------------------|----------------------------|---------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 115 | ≥ 11. | ≥ 1 | ≥ 3, | ≥ % | ≥ % | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | | 1 7 | 1 . 7 | 1 . 7 | 1 . | 10.1 | 14.7 | 1 • 3 | 1 . 7 | 1 • 1 | 17.0 | 10.7 | 1 | | 10.7 | |
| ≥ 18000 ≥ 16000 | | 15.1 | 1 . 3 | 1 - 3 | 15.1 12.7 | 17. i | 10. | 37.0 | 10.7 | 1/0.3 | 17.7 | 17.3 | 1 . 7 | 19.5 | 19.5 | |
| ≥ 14000 ≥ 12000 | | 1 1 7 | 7 | 19.7 | 19.7 | 19.7 | 10.7 | 11.7 | 17.7 | 1 • • • • • • • • • • • • • • • • • • • | 10.7 | 10.7 | 10.7 | 19. | 10.7 | 11.7 |
| ≥ 10000 ≥ 9000 | | 1.1 | 20 € 3 27 € 2 | 23.1 22.1 | ্ল ু 29 . সূ | 20.3 70.7 | 20.3 | | · · · · · · · · · · · · · · · · · · · | | ::• I | 3 1 . 7 | | 2 3 • 3 2 2 • 7 | 27.3 | |
| ≥ 8000 ≥ 7000 | · | 11. | 21.7 | 20.7 | 27.7 | . f. 7 | 71.7 | 11.7 | 1.7 | ? •* <u>- 1•</u> | 71.7 | ?1.7 | 11.7 | 21.7 21.7 | 1.7 | . 1 • 1 |
| ≥ 6000 ≥ 5000 | | , , | 27.7 | 22.7 | 32.7 | 2.7 | 22.7 | . 7 | د. و | - 1 - 1 - 1 | 77.7 | 21•1 21•1 | 17. 1 <u>1</u> 0.21 | 22.5 22.7 | 27.7 | 27.4 |
| ≥ 4500 ≥ 4000 | L | 7.3 | 27.3 27.3 | 27.3 | 24 • 4 27 • 4 | 7.7 | 24.7 | 77.3 | .2 → • 3 .2 7 .3 7 .3 3 | ₹••5 ₹• ₹ ₹ *************** | 19. | 3 • • 3 5 • [<u>-</u> | 7 4 4 7 [• [] | : 14 • ₹ • <u>= 7 • 3</u> | 74.3 23.5 | |
| ≥ 3500 ≥ 3000 | | / • 1 | 4/ 7 | 47.0 | 47.7 | 47.3 | 47.3 | 47.3 | 4.7 | 47. | 47. | 4 7 | - 3 7 • 3 - = 7 | - 35 • 3 - 4 7 • 3 | 47.5 | 47. |
| ≥ 2500 ≥ 2000 | | . 7. | 7 7 | **** | 74.0 | 74.7 | 74.7 | 74.7 | 74.7 | 74 <u>.7</u> . | 14.7 | 74.7 | 2 1 • · · · · · · · · · · · · · · · · · · | 74. | 74.7 | 74.7 |
| ≥ 1800 ≥ 1500 | · | | 79.7 | | 15.3 | 76.3 | 36.7 | 76 • वि <u>्रि</u> | · · · | 76.3 | -76•3 -2 7• 7. | 37. | 3.5 | 76. • 7. | 76 v 3 5 7 • 7 . | 7 |
| ≥ 1260 ≥ 1000 | | 76.1 | 97. | 19.0 | 01.4 | 2.7 | 91.7 | 14.1 | 71.7 |) | . 9 . • 1 . 9 . • 1 | | | . 93 . 95 | | |
| ≥ 900 ≥ 800 | | 7,4 | 80 . 0 | 97.0 | | 3. 1 | 94.3 94.3 | 75 • 7 | 7 1 1 7 5 9 | | 26.5 26.7 | 95.3 | ************************************** | . <u>36</u> • 3. | 25.3 | 7 |
| ≥ 700 ≥ 600 | | *** • ₹ | 35•3 30•35 30•3 7 | 9.00 | | 4.3 | | 5.3 | 15.3 | 67.7 | 97.7 | 37.7 | 97.7 | . <u>57.7</u> . | 97.7 | 7.7.7 |
| ≥ 500 ≥ 400 | | 74 3 76 4 | 3° • 5 <u>60 • 5</u> 80 • 5 | 9 3 3 | .2.7 | 4 . 3 | 95.3 | 07.7 | 97.7 | 99.0 | | 95.7 | 30.0 | 7 # 47 - 29 - 29 - 20 - 21 | 90.5 | |
| ≥ 300 ≥ 200 | | 74.7 | 8 | 7 . 3 7 . 3 | 2:.7 | 4.7 | 36.7 37.7 | 7.7 | 97.7 95.0 | 99.7 | | 90.7 | 10.7 | - 5 0 • 7 | 1 <u> </u> | <u>152</u> •5 |
| ≥ 100 ≥ 0 | | | ნ‱. უნ. 1 | \ | 32.7 | 4.7 | 77. | 96.0 93.0 | 07. | | 43.7 | · · | - | 99.7 | | • • . |

TOTAL NUMBER OF OBSERVATIONS ______

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLET NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (STA | ATUTE MILI | ES) | | | | | | |
|-----------------------|------|--------------------|-----------------|------------------|--------------|--------------|---------------|--------------|---------------------------|----------------|--------------|---|--------------------|------------------|--------------|------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2% | ≥ 2 | ≥ 11/2 | ≥ 11. | ≥ 1 | ≥ 3, | ≥ 4 | ≥ % | ≥ 5/16 | ≥ 4 | ≥ 0 |
| NO CEILING ≥ 20000 | | | 17.7 | | 17.4 | 17.4 | 17.5 | 17.4 | 1 | 17.6 | 17.4 | 17.4 | 17.4 | 17.6 | 17.4 | 17.4 |
| ≥ 18000 ≥ 16000 | | 14 | 1 • 4 | 10.4 | 1 4 | 12.4 18.7 | 13.4 | 1 2 6 12 | 17 | 1/ · · | 17.4 | 17.41 12.71 | 1 .4 | 15.7 | 13.4 | 11.4 |
| ≥ 14000 ≥ 12000 | | 1 . 4 | र्ड, म 10•ग | 1 - 7 | 1 . 7 | 15.7 | 13.7 | 1 - 7 | 3 0 . 7! | 11.7 | 10.7 | 15.7 | 1 . 7 | 15.7 | 15.7 | 1 .7 |
| ≥ 10000 ≥ 9000 | | 1 . 7 | 1 7 . 7 | 1 - 7 | 1 . 7 | 16.7 15.1 | 1 4.7 | 19.7 | انه در <u>ا</u> اغوز ا | 1:.7 | 13.7 | $\frac{1}{1}$, $\frac{7}{2}$, $\frac{7}{2}$ | 19.7 | 13.7 | 15.7 | 1 |
| ≥ 8000 ≥ 7000 | | 12.7 | ; . | 3 → 2 M 3 → 7 | 1 ^ • 7 | 19.7 10.4 | 17.7 | 19.7 | 23.7 | 20.7 | 19.7 20.7 | 17.7 | 12.7 | 17.7 | 10.7 20.7 | 19. |
| ≥ 6000 ≥ 5000 | | | 21.1 | 21.1 | 21.1 | 1.1 | 21.1 | 71.1 | 1.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 21.1 | 21.1 | 71.1 |
| ≥ 4500 ≥ 4000 | | | 7 . 1 | 24.8 | 23.5 | ~2.7 `8.^ | 22.₹ 24.8 | 12.7 74.5 | 72.7 24.5 | ار مان عوام | 77.7 24.3 | 72.7 24.4 | 27.7 | 22.7 | 22.7 | 29.7 |
| ≥ 3500 ≥ 3000 | | 1. 9.0.9 | 37.1 41.7 | *7.1 *1.5 | 37.1 41.5 | 41.5 | 77.1 | 41.5 | 77.1 51.5 | 34.1 | 37.1 61.5 | 72.1 | 47.5 | 30 • 1 41 • 5 | 32.1 41.2 | 1 1 |
| ≥ 2500 ≥ 2000 | | 3.3 | 54.0 67.0 | 27.2 73.6 | 57.2 70.9 | 70.0 | 5.7.2 71.9 | 57.2 71.0 | 71.9 | 11.7 72.6 | 7 . 7 | 77.2 | 57.0 | 57.2 | 57.0 | 67 77.2 |
| ≥ 1800 ≥ 1500 | | 14.3 | 11.2 | 73.64 54.6 | 77.0 | 73.5 | 74.7 | 74.0 77.3 | 74.5 | 77.7 27.6 | 75.7 | 75.3 37.6 | 75.3 57.6 | 75.7 37.0 | 75.7 | 7.4. |
| ≥ 1200 ≥ 1000 | | 76 • fq 77 • tq | 34.₹ 53.6 | 64.0 61.6 | 97.1 | 1. 7 | 12.6 96.7 | 73.5 26.7 | 07.5 55.7 | 93.0 97.0 | 93.0 97.0 | 93.0 | 67.0 | ↑3. 97. | 27.5 | 57. |
| ≥ 900 ≥ 800 | | 77.d | 81.1 55.1 | 25. d | 37.7 | 5. | 97. | 7.0 97.0 | 97.3 97.3 | 97.7 | 07.7 97.7 | 57.7 | ,7.7 >7.7 | 57.7 57.7 | 97.7 | 97.7 |
| ≥ 700 ≥ 600 | - | 77.1 | 34.0 | ०ह•न ७३•अ | 97.7 | 5. | 97. N | 07.0 | 07.7 | 7.7 58. | 97.7 | 98.0 | 47.7 | 7.7 | 27.7 | 57.7 |
| ≥ 500 ≥ 400 | | 77.1 | 87 | 92.3 | 93.7 | 5.3 | 97.3 | 7.7 | 27.7 | 08.3 23.5 | 55.7 98.7 | 75.7 | 0 4 . 7 0 : . 7 | 28.7 | 98.7 | 7 . 7 |
| ≥ 300 ≥ 200 | | 7.4 | 5 | 42.3 | 73.7 | -5.5 -5.7 | 97.3 | 37.3 | 7.7 | 90.7 | 99.5 | 99.7 | 55.5 10.7 | \$9.7 | 99.7 | 9.7 |
| ≥ 100 ≥ 0 | | 77.7 | | 97.3 | 93.7 | 5.3 | 97.3 | 27.3 | | 99.5 | 95.7 | | 59.7 | 99.71 | 00.0 | |

| TOTAL | NUMBER | OF | OBSERVATIONS | |
|-------|--------|----|--------------|--|
| | | • | | |

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | SIBILITY (ST | ATUTE MIL | .ES) | - | | | | | |
|--------------------|-----------|---------|--------------------|---------|--------------|--------|-----------------|---------------------------------------|-----------------|----------------|--------------|----------------------|---------------|--------------------|------------------|-------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/5 | ≥ 2 | ≥ 114 | ≥ 1% | . ≥1 | ≥ 3. | ≥ % | ≥ % | ≥ 5 16 | ≥ '. | ≥ 0 |
| NO CEILING | . 1 | | . 1 | , 1 | ^ • T | 9 😱 | ^ • · | 5.6 | | • | 0.11 | • | `• | ٥. | Ç | • |
| ≥ 20000 | | 11.7 | 11.7 | 11.7 | 11.1 | 11.1 | 11. | 11. | 1107 | 11.5 | 11.3 | 11.3 | 11.7 | 11. | 11. | . <u>i</u> . ~ |
| ≥ 18000 ≥ 16000 | · · · · · | 12.7 | . 1.2±7 . 1.7 M | 13.7 | 17.5 | 13.5 | 12.7 | 1 12.7 | 17.7 | 1 | 12.7 | 12.7 | . 7 | 12.7 | 17.7 | 17 |
| <u> </u> | 4 | | - | • = | 1 1 | 13.7 | 17.7 | 1 7 7 | 177 | | 17.7 | | - | | | • (• |
| ≥ 14000 ≥ 12000 | 4 | 14. | 1 . 1 | 1 | 1 | 14. | 14.5 | 1 14." | | 14. | 1 | 14.7 | 1 | 14 | 14 | |
| ≥ 10000 | | 116.5 | 1 3 | 14.3 | 14.9 | 14. | 19.7 | 14.3 | 14.8 | 1 | 10.3 | 14.3 | 1 7 | 14. | 14.3 | |
| ≥ 9000 | • 1 | 14.9 | 16.5 | 14.3 | 14.7 | 14.3 | 14.7 | 14.5 | <u> </u> | 1 | 14.5 | 14.3 | 15. | 14.4 | 1 4 . * | 14. |
| ≥ 8000 | • 4 | 35.7 | 15.7 | 1: - 7 | 1 . 7 | 15.7 | 15.7 | 1 ~ . 7 | 11. | 15.7 | 1 7 | 15.7 | | 1"." | 1 7 | |
| ≥ 7000 | | 19.0 | | | 1 | 1/07 | 1 | <u> </u> | 1 • 7 | • | | - 1 7 • 3 | 1 . | . <u> </u> | 1 = 1 | |
| ≥ 6000 ≥ 5000 | 7 - 4 | 39.3 | 27-1 | 1 ** 6 | 1 | 10.7 | \ 9.7 20.5 | 1 1 | |) • • <i>1</i> | | 15.7 | 1 • 7 | - 19•1 - 50 • 1 | 17. | · ' • ' |
| }- <u>-</u> | | - | 74. 7 | 74.7 | | 4 | | 74.7 | | - <u></u> - | | | - | | | |
| ≥ 4500 ≥ 4000 | | 70.1 | 3 . 4 | | . 1 | 10.43 | 31. | | | | ? | 31 1 | | | | |
| ≥ 3500 | 1. | 77.5 | 3.7 | 37.7 | 37.7 | 77.7 | | 7.7 | 7 • 7 | 7.7 | 37 | 37.7 | | 77.7 | 37.7 | • |
| ≥ 3000 | | 45. | 4 . ^ | h · • 7 | 44.7 | 50.7 | 40.7 | 93.7 | 45.7 | 4 7 | 44.7 | 4 . 7 | 4 . 7 | , we . • 7. | 44. | 7 |
| ≥ 2500 | | • 1 | - 5° • 1j | 29.0 | -1.7 | 1.7 | ' 63.° | | · · | • | | • | • • • | • | • | • |
| ≥ 2000 | | - 5 - 7 | 0 • 1 | - 1 · 1 | 71.1 | 11. | 7. •) | | . <u> </u> | . [• • • | . 7.3 • [. | - <u>[</u>] [] • | | | 77. | |
| ≥ 1800 ≥ 1500 | 1 '• ~ | 7.7.7 | -6 • 7 -7/• 1 | 71.7 | 74.7 85.3 | 74.7 | 75.7 | 7 7 | 75 • 7 | | 75.7 | 7 4 7 | 75.7 | 79.7 27.3 | * | • 7 |
| } ⁻ · • | | | 7 | 34.7 | 3 7 7 | | 7 | | - -, | | | | | | | . (* : |
| ≥ 1200 ≥ 1000 | 1-1 | 75. | 7 | 35.7 | . • | 1.7 | 1 1 1 . | 64.3 | 70 | 24.7 | 90.5 | 30.0 | | | | e e |
| ≥ 900 | 14.7 | 75.3 | 7 . 5 | 5. | 11. | · 2. | 74. | · · · · · · · · · · · · · · · · · · · | • 7 | 5. | 48.3 | 1 | | | | ` o • 1 |
| ≥ 800 | 11 . 1 | 75.1 | 79.7 | 15.0 | 77. | .3. | 95. | 76.3 | 7 • * | 97. | 47.3 | 37.3. | 27.3 | ~ 7 . 3 | 47.1 | |
| ≥ 700 | 15. | | 7 . 7 | . 3 | 1 | 7.00 | 98.7 | 7.1 | 0.3 • 1. | 7.7 | 7. | 25. | 7. 5 • ° | | .) G | 7.4 |
| ≥ 600 | <u>-</u> | 5. | 7 . 7 | 16.43 | ٠,٠ | 3.7 | 95.3 | 7. | 17. | 7.7.7 | 98.5 | <u> </u> | 12 • 1 | · · · . | ⇒Q. . 1 | |
| ≥ 500 > 400 | | 7.5.4 | 7: 7 | 50.3 | 0.7.7 | 7.7 | 25.0 | 7.7 | 77.7 | | 90.7 50.5 | 05 • 7) 201 | 7 | *• " | 14.7 | i Serana Landa |
| L | - | | 7 7 | 7 | 97.7 | 3.7 | 96. | | 7 | 25.7 67.7 | 00 P | 36.2 | | | | • |
| ≥ 300 ≥ 200 | | 2.3 | 7 | 96.7 | 7 | 3.7 | | | 6.5 | | 99.5 | 7 | • | | rof• Notesian | 12 |
| ≥ 100 | 74.7 | 1 | 7 . 7 | 96.7 | | 3.7 | | + | | | | 100 3t | | | ز د د | # * 1 07 • |
| 2 0 | 14.0 | 10 a d | 7 " . ? | | | 3.7 | | | - | | 94.3 | | 7 | 60.7 | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

- Hours ...

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (STA | ATUTE MIL | ES) | | | | | | |
|-----------------------|-------|---|---------------------------------------|--|---------------|---------------------|----------------------------|---------------------------------------|---------------------------------------|------------------------|-----------------------------|---------------------------------------|------------------|---------------------------------------|----------------------------|-----------------|
| (FEET' | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/3 | ≥ 2 | ביו ≤ | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ 46 | ≥ % | ≥ 5 16 | . ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | | | 7 | . 7 - 7 | 7 | ڊ 2 . 7 | 5.7 | | , | • 7 | | , ? , , , , | . 7 | | () T | |
| ≥ 18000 ≥ 16000 | | 71.1 .1.1 | 11.7 | 11.3 | 11.7 | 11.5 | 11.1 | 11. | 11. | 11. | 11! -1. ". | 11.5 | 11.7 11.7 | 11. | 11.7 | 1.1.1 11.1.1 |
| ≥ 14000 ≥ 12000 | | 1.1 | 11.7 | 11.4 11.2 | 11.4 | 11. | 11. | 11. | 11.1 41.1 | 11.7 | 11. | 11.3 11.3 | 11.1 11.1 | 11. | .1.7 | 11.2 |
| ≥ 10000 ≥ 9000 | • 1 | 11.1 | 1 | 1 | 1 • 1 | 12.0 y | 17. | 1 | 1 | 1 . | 1 . | 17. | 1 • 1 | 1.7. | 19. . 20•1. | ` •] |
| ≥ 8000 ≥ 7000 | | 1 . 1 | 1 • 4 | 1 7 | 17.7 | 12.7 | 17.7 | 17.7 | 1:. | 14.3 | 11.7 | : 1.7 15•5 | 1' . 7 14 . 3 | 17.7 | | ۱۰ . ۱۰ شوده |
| ≥ 6000 ≥ 5000 | | 1 | 1 | 1 | 1 • 1 | lu. | 1 . " | • • • • • | 1 • 1 | 1: • 7 | 1 . H | 1:07 | 11.5 | 14. .16.3 | 1 | ! • |
| ≥ 4500 ≥ 4000 | • | !:•! !*•! | | · |] . | 16 • i • • • • • | 1 . | · · · · · · · · · · · · · · · · · · · | | 1 | 1 ." | 1 • - 1 • | 1 , | | 1 | |
| ≥ 3500 ≥ 3000 | • • • | | | 7 • 7 * • • • • • • • • • • • • • • • • • • • | | | * . * <u>*</u> | * | · · · · · · · · · · · · · · · · · · · | • | 4 | 4.4.1. | | 10.1 82.5 | "," , 4 ⁷ ,7 | • 1 |
| ≥ 2500 ≥ 2000 | • ! | 4.5 | · · · · · · · · · · · · · · · · · · · | | , i | | | • 7 | · · · · · · · · · · · · · · · · · · · | 15.3 <u>1.</u> 3 | 12.3 (2.7 | - 5 • ? _5 ≥• ?. | 7 | | | |
| ≥ 1800 ≥ 1500 | | o • *1 • • • • • • • • • • • • • • • • • • | 7 • | 1.7 | 75.0 39.01 | 4.7 | 77.7 | 7.3 | 73. | 24.3 7.€ | 1 · • ? | 74.2 | 33.7 12.7 | 74.7 57.7 | 74.1 7.7 | * |
| ≥ 1200 ≥ 1000 | | ~1.¥ . ~4.; | 7 . 7 | 14. 15.3 | 7.1 | 7 | 38.7 31. | | ^ • · | | 31.8 1.7.7. | 11. | 7 1 . 7 | 11.7 [4.1] | 71.7 49.7 | 'ٿيا۔ ليو |
| ≥ 900 ≥ 800 | | ``•• ``••! | • | ^₹•₹? <u>-</u> [•• <u>:</u>] | -: 27•31 | | 71.7 7 <u>4</u> .• . | 5. <u>7.</u> | · · · · · · · · · · · · · · · · · · · | | ્રક્ ર . 'મેક કે. | " . ته ۶ <u>نگوی</u> د. | 7 | 7 | 7. | |
| ≥ 700 ≥ 600 | • 1 | | ٠, ٠,٠,٠ | 7.1 | 77.7 | 1.7 | 67.7 | , 7: | 7 | 37.; 31 <u>.</u> 2. | (, 7 , 7 <u> </u> | · · · · · · · · · · · · · · · · · · · | • | · · · · · · · · · · · · · · · · · · · | ۹. ۱ | |
| ≥ 500 ≥ 400 | | • | 1. | 7. | 91.0 93.0 | 2.1 | · 4 . 7 | 7.7 | 97.7 | Γκ•! <u>Υπ•</u> [| | 55.7 <u>-23.3</u> | | . 35 • | :3.1 . 34. | |
| ≥ 300 ≥ 200 | • | • | • • • | 7. | 71.5 71.5 | 2.J | 4.7 | 7.7 | . 7 . 7 | 55. | 9.0.5 | 05. | · · · · | િલ્ફુ. કિ <u>લ</u> ું | 79.° .:9•≛. | |
| ≥ 100 ≥ 0 | | ing salah di | 1. | 7. 3 - 7. 4 | 91.0 | 2. | . 4 . 7 . 4 . 7∫ | 7.1 | 7. | 33.7 10.7 | 5 . 7 5 4 . 7 | | `• <u>·</u> | 77.7 | 11 (, º) 191 - 9 | 17) 17) |

TOTAL NUMBER OF OBSERVATIONS

NOTAL WEATHER SERVICE LETACHY OF ACHILOREE W.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | _ | | | | | VIS | SIBILITY (ST | ATUTE MILI | ES) | | | | | | |
|---------------------------|------|--|----------|-----------------------|---------------------------------------|--------------------|------------|---------------------------|-----------------------|---------------------|---------------------------------------|---------------------------------------|-------|---------------------------------------|--------------------|-----|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 213 | ≥ 2 | ≥ 1'3 | ≥ 11. | ≥ 1 | ≥ 1, | ≥ 4 ₆ | ≥ 5 | ≥ 5 16 | ≥ . | ≥ o |
| NO CEILING ≥ 20000 | · · | | • 1 | | | • | • | • | •] | • | • | • | • | | • | • |
| ≥ 18000 ≥ 16000 | • | • | • 1 | | | | | | | | · · · · · · | • | _ | • | | • |
| ≥ 14000 ≥ 12000 | •] | * • 1 | 1 | 1.1 | 1 . 1 | | | <u>.</u> . | | • | | | • | | • | • |
| ≥ 10000 ≥ 9000 | • | • | 1 • 7 | <u>.</u> | | 1. | . 1 | . 1 . | : • " <u>i • "</u> | | · · · · | ٠٠ يعاد أد. | | | • | • |
| ≥ 8000 ≥ 7000 | • | | 1 • | | 1 . | | 1 . | 1 • ° 1 <u>1 2 • ?</u> | 1 _ • . | 1 - - | ! | ! . } | | | | 1 |
| ≥ 6000 ≥ 5000 | • | ' ' • ' ! ! | | | 1 . | | 1 | · • | • | <u> </u> | · · · · · · · · · · · · · · · · · · · | 1 | • | • • . | 1 . | |
| ≥ 4500 ≥ 4000 | • i | · • - · · · | | | | . 3 • <i>1</i> | · | • ' | • | | | | | • | | • |
| ≥ 3500 ≥ 3000 | 1 • | • 1 | | | :• ? ** ; = : | | | , , , , | , | · 7 | | | | , | • | |
| ≥ 2500 ≥ 2000 | | 1 | | · ,= • ;; | - A - 7 - 3 - 7 - 7 | | 90. 90. | • | | 7 | • | , | | `; | 71. | 21. |
| ≥ 1800 ≥ 1500 | | | ź., | - 77 | ., – | | | | | | • | | | · · · · · · · · · · · · · · · · · · · | | |
| ≥ 1200 ≥ 1000 ≥ 900 | | 7.1 | | <u> </u> | | ٤. | . 7 | | | | | 3 | | | i di jir Genija | |
| ≥ 800 | | 7 . 7 . 7 . ₹ | 7 . 3 | | | | • • • • • | | | | . , | 36.7 | | | 7.7 | |
| ≥ 600 | | · · ' · · · · · · · · · · · · · · · · · · · | 7 | | · · · · · · · · · · · · · · · · · · · | | | | | • | | | | . ; . | 3 . | |
| ≥ 400 | • | 7. | <u> </u> | | | - 13.7 - 73.7 | | · | | | | 3 | | 0 | .,,,, :,,*,• | |
| ≥ 200 | · | 7.7.7 7.7.7 | 7 - 7 | • | • • | | 100 | | | | | · · · · · · · · · · · · · · · · · · · | , , | . 7 • 7 . 9 • 7 | | |
| ≥ 100 ≥ 0 | • • | | 7: • " | <u> </u> | • • | 7.1 | | . , , | • | • | | <u> </u> | : . 7 | 79.2 | 1.0. | 1". |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (STA | ATUTE MILE | 5 : | | | | | | |
|-----------------------|------|----------------|-------|---------------------------------------|----------|---|---|-------------|---------------------------------------|------------|-----------|--|------|---------------------------------------|-----------|-----|
| ,FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 215 | ≥ 2 | ביו ≤ | ≥1. | ≥ 1 | ≥ ¼ | ≥ % | ≥ '5 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | | 1/.1 | 1 . 7 | 1 . 7 | .9.1 | 14.7 | 1 7. | | 1 . | 1 | 1 | | , | 1 . | | : |
| ≥ 18000 ≥ 16000 | | | | | 1 . 3 | | 1 | 1 . 7 | | 1 | 1 . | | | | | |
| ≥ 14000 ≥ 12000 | • | | 1 . 7 | 1 7 | 1 . | 7. | 17. | 17.07 | | 1 .7 | 1 . | | | | , | |
| ≥ 10000 ≥ 9000 | • | 1+ 1.+4 | | | | , | 17. | | · · · · · · · · · · · · · · · · · · · | 1 | | 1 | | | | • |
| ≥ 8000 ≥ 7000 | | | 7.5 | • . | | | • | · · | | | | 1 | | , | | • |
| ≥ 6000 ≥ 5000 | • | 1 | | • | . 1 | | | | | | | | | | | • |
| ≥ 4500 ≥ 4000 | • | • | - | • | | • · | · · | • | | • | • | • 1 | | · · · · · · · · · · · · · · · · · · · | · · · · · | |
| ≥ 3500 ≥ 3000 | • 1 | • i | 7 | • | • , | | | • • | • | • | • | | • | • | • | |
| ≥ 2500 ≥ 2000 | • | 3 • 1 7 • 1 | 7 7 | • | • | 1 | 1.5 | • | | • | • | * ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± | | · · · · · · · · · · · · · · · · · · · | | |
| ≥ 1800 ≥ 1500 | | | 7 . | 7.7 | 77. n | 7. | 77. | • _ | 7 7 • • ^. | · · · · | J | 7 '." | • | · ' • . | • | • |
| ≥ 1700 ≥ 1000 | • | • | 7 | • • • • | | :. 4. . | , , | • 7 | • | • | • | • | 7. | · · · . | • | • |
| ≥ 900 ≥ 800 | • | | • 7 | • • | 7 | 4. 1. 4. 1. | 75.7 | • | | · ' · ' . | • | - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | • | | 7 | • |
| ≥ 700 ≥ 600 | • | | • 7 | | | 4. | * * • * • * • • • • • • • • • • • • • • | 7 . | , <u> </u> | • | • ' | | • | | | • |
| ≥ 500 ≥ 400 | • | | • ** | • • • • • • • • • • • • • • • • • • • | , , , *i | · • • · · · · · · · · · · · · · · · · · | 7. | • | • • | | ^ • 1 | 7 | 7.7 | | | • |
| ≥ 300 ≥ 200 | • | | | <u> </u> | 7. | | · · · · | | • | 31 • 7 | : | . 30.41 <u>133•1</u> , | | | ```. | |
| ≥ 100 ≥ 0 | • | | | | | · • | 7. | • | | |] • [] [| | | | | |

TOTAL NUMBER OF OBSERVATIONS

COPPLANCEANMET SMOS

ΗH

NAVAL ADATHORES ES ESTANDA INTERNACIONAL NO

CEILING VERSUS VISIBILIT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | VISIB | ILITY :ST | ATUTE MILES | S) | | | | |
|--------------------|------|-----|----------------|--------------|-------|----------|-------------------------------------|-------------|------------|-------------|----------|---------|-----|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 ≥ 3 | ≥ 213 | ≥ 2 | ≥ ::, | ≥ 114 | ≥ 1 | ≥ ¼ | 25 | ≥ 5 16 | ≥ . |
| NO CEILING | • ' | 14. | 1 . 1 | | 1.50 | 1 - 1 | • | • | 1 | : • | | ٠., | |
| ≥ 20000 | •] | • | • | • • • • • | • | <u> </u> | <u>.</u> | | <u></u> . | · · · · · · | <u> </u> | | • |
| ≥ 18000 ≥ 16000 | • | | | | • · · | | | • | i | | | • | |
| ≥ 14000 ≥ 12000 | • | | | | | | | | | | | • | |
| ≥ 10000 ≥ 9000 | • | . 1 | | | | | · | | | | | | |
| ≥ 8000 ≥ 7000 | • | , | | - <u>`</u> - | 7 | • | - ;: ;- | _::- | 1 | 1 | | • • • • | |
| - + | • | • | | | + | - | : ; ; | -• | <u>:</u> | | | | |
| ≥ 6000 ≥ 5000 | • | | | | | · | | • . | · ± • · . | 11. | | | · . |
| ≥ 4500 ≥ 4000 | • | | | | • | | | | • | • | | • | • |
| ≥ 3500 ≥ 3000 | • | • | | | • • | • | • " | • | | • | • | • | |
| ≥ 2500 ≥ 2000 | • ' | | | | | , ~ | • | • • • | • | | | | |
| ≥ 1800 ≥ 1500 | • | | | | | • | | | • | | | • | • |
| ≥ 1200 ≥ 1200 | • | | , v : | | | | • | | • | | | • | • • |
| ≥ 900 ≥ 800 | • | | Ÿ | 7 | | | | | | | | | |
| ≥ 700 ≥ 660 | • • | | - ⁺ | | • | | • | | | | | | |
| ≥ 500 ≥ 400 | • | | | 1 | | | | = | | | | • | |
| ≥ 300 ≥ 200 | • | | • | | • | | · · · · · · · · · · · · · · · · · · | | | | | • | |
| ≥ 100 ≥ 0 | | • | | | | : | <u>•</u> | | • | - | | • | • . |

TOTAL NUMBER OF CESSEPVATIONS

COMMANDE CLASSIFF OF ST. S.

NAVALACATHER ARCHITE LA TACHMENT ASHEVILLE NO

CEILING VERSUS VISIBILITY

House ...

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | . – | VI | SIBILITY (ST. | ATUTE MILE | :S) | | | | | | |
|-----------------------|------|-------|-------|---------------|--------------------|-------------------------|------------------|---------------------------------------|-----------------|---------------------------------------|---|-------------------|-------|------------------|------|------|
| (FEET: | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 212 | ≥ 2 | ≥ 112 | ≥ 11. | ≥ 1 | ≥ ¾ | ≥ *6 | ≥ 1/3 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | 1. | 1 | 1 | , , | 1 . | 15.1 | | | 1 | | | 1 . 1 | 1 | • | 13.4 | 1. |
| ≥ 18000 ≥ 16000 | | • • • | 1 | | 14.1 | 14. | 10. | ('e, i | 1-1 | 1 = 4 | 1 | 15.4 | 1.1 | 14.7 | 14.6 | |
| ≥ 14000 ≥ 12000 | | | • | | 1 • 1 | | | | 1 . 3 | | } | · · · · · | | | | 1., |
| ≥ 10000 ≥ 9000 | | | , 7 | 1 . | 1 .7 | 15. | | | 1 | | | 13. 13.6 | | | 111 | |
| ≥ 8000 ≥ 7000 | | | | | 1 · 6 · | 1. | | . I _ • ta | | 1 | | 1 | | 1 | | 1 . |
| ≥ 6000 ≥ 5000 | | • 1 | 2 . 1 | | | • | 1 . | 1 | | | | 1 | 1 | 1 | | |
| ≥ 4500 ≥ 4000 | • | 1. | | | • | 4 • | 1. | 3 . | | 1. | 1 . · · · · · · · · · · · · · · · · · · | | | 1. | 1. | • |
| ≥ 3500 ≥ 3000 | • | | | | 5 (• f 4 (• 5 | | | | • · | | 4 | | | 1 | | · . |
| ≥ 2500 ≥ 2000 | , | (| • 1 | | | • | | · · | | | | ं दे• व चै_•ा. | | * ; | | • |
| ≥ 1800 ≥ 1500 | • | • 1 | | | • | ہ ہو۔ ماریک اور کے د | | 1 . 1 . <u>1</u> | • | 7 | | • • | | • | 70. | • |
| ≥ 1200 ≥ 1000 | | | | • <u>•</u> | • • | | *) . * * | · · · · · · · · · · · · · · · · · · · | "•" | •' | | • | | • | • | • |
| ≥ 900 ≥ 800 | • | • | • | • • | | | 34. | 175. | | • | <u>.</u> | 47. 171. | • : | 1.1 1.1.2 | *** | - ; |
| ≥ 700 ≥ 600 | | • | • | · • ! · · | | 7. | | <u>.</u> <u>.</u> | • " · · • ". | | , v . t | | • | . · . | | |
| ≥ 500 ≥ 400 | | • | | • | 75.00 | | | | | | ۰۰ <u>۱</u> ۰۰ | · · · | • | | | • |
| ≥ 300 ≥ 200 | | • | • | • | | | · . | | | * * * * * * * * * * * * * * * * * * * | , , | • `. | • | : . : • • • . | | • |
| ≥ 100 ≥ 0 | | • | • | • | | 7. | | , | | • | | | | • | • | |

TOTAL NUMBER OF OBSERVATIONS

Contractor Assistant Contractor

13

NAVAL WEATHER DESIVICE DETACRMENT, ASHEVILLE, NO

11

ih

14

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (STA | ATUTE MILE | (\$) | | | | | | |
|------------------|----------------|------------|---------|--------------|-------------|--------------|----------|---------------|-------------|---------------------|-----------|----------|----------------|--------------------|-----------|---|
| (FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/4 | ≥ 2 | ≥ 11/3 | ≥ 114 | ≥ 1 | ≥ 2. | ≥ 4 | ≥ ′⁄3 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING | - , | 17.1 | 1 1 | 1.1 | | [7.1 | | 7 • 1 | 17.1 | 17 • 25 | 17.1 | 17.1 | 1 1 | 17.1 | 27.3 | 17. |
| ≥ 20000 | • ' | 17.1 | 1 .1 | 1 1 | 1 • 1 | 37.1 | 17.1 | | i - 1 | 1 7 - 1 | 12.1 | 17.1 | <u>i 7. i</u> | <u> </u> | 17.1 | 1 . |
| ≥ 18000 | • 1 | 17.4 | 17.79 | 1.7.4 | 1 • - | 17.4 | ? • | 7.7 | 3 T 🔓 | 17. | 17.4 | 3 T + 3 | , u | 17.4 | 17.0 | -1 ** 6 |
| ≥ 16000 | • | | 3 2 41 | 1 / + 12 | <u> </u> | 17. | 17.4 | <u>.</u> 3 | 17.4 | 17.4 | 17.4 | | 17.4 | • · · · · · · | 17.4 | • |
| ≥ 14000 | • ' | 17 🕶 | | 11.4 | 1 | 37.5 | 17.3 | 1 | 17.4 | 17.4 | 17.6 | 1 4 | . " • 4 | 7 | 17.4 | 1 7 • • |
| ≥ 12000 | • ' | | |) , <u>u</u> | 1.4 | 17. | }~.« | 1.0 | 1.7 • 60 | 1. | 1 7 • 4 | 17.4 | 1 . 4 | 17. | | |
| ≥ 10000 | • 1 | 17.4 | 1 . | 7 , 4 | 1 | 17.0 | 1.7.0 | 7 . 4 | 17.4 | 17.4 | 17.4 | 2 4 | 2 1 | | 17.0 | 17. |
| ≥ 9000 | • | <u> </u> | 1, 7, 7 | 1 . 7 | 11. | 17. | 1 | 7.7 | 17.7 | 1 ' • ' | 1 '. 7 | <u> </u> | 1 | <u>. i. ' . ".</u> | 17. | |
| ≥ 8000 | • | • | 1.1 | 1 . 1 | 1 - i | 1 • 4 | | . 1 | 1 . 1 | | 1 - 1 | 1 . 1 | 1 | 10.1 | 1 .1 | • |
| ≥ 7000 | • 1 | • 1 | 1 .: | 1 . 1 | 1 • ! | <u> </u> | 1 | . • 1 | 1 • ! | 1 : | 1 . 1 | 1 - 1 | • 1 | • . | 11 | · 1 |
| ≥ 6000 | • 14 | • | | 1 |) | | 1 | | 1 • 5 | 1 • 4 | • • | 1 | . · · · · | 3 5 4 5 | i i | 3 . 6 |
| ≥ 5000 | • 1 | • 1 | · • | 1 . 3 | | 17.7 | 11. | • | • • • | 1. | 1 | 1 7 | 7 | 120 | 17.7 | 1 |
| ≥ 4500 | • | • | | य | . d.m | 7 • 3 | | | • | • | • 7 | • | • | • | • | • |
| ≥ 4000 | • 1 | • | · · · ! | | • | | | | • | • | | • | • | | | • |
| ≥ 3500 | • " | • 1 | 30.0 | • | • | • | • | • | ``• | | | • | • | | _ · · · · | · * * • * * * * * * * * * * * * * * * * |
| ≥ 3000 | • ' | • | - • · | • 7 | • | • | | 100 | · 7 | • 1 | 7. | 2 7 | 7 | | 7 - 7 | • " |
| ≥ 2500 | • * | 7 | 1 | | | | | | • | • | r | | | | ~ • | |
| ≥ 2500 ≥ 2000 | • | . 4 | | And a second | | • 7 | · 6 | • | • | • | 100 | | √″•° | # ^^ • | K 7 . | • |
| ≥ 1800 | • 4 | ' - Ī • Ē | • | | 7.1 | • | 77 | | | | 77. | • | J. 1. 2 | 73.0 | 7. | 7.7 |
| ≥ 1500 | • " | 4.4 | 71.4 | 72.3 | 1.1 | 1 | `• " | * * * | • 7 | * * * | 1 3 | • • | `•? | • | • | • 1 |
| ≥ 1200 | • | | 7 | | | | | | | | . * . 4 | , | t _i | . r 📢 | | , , |
| ≥ 1000 | • 1 | | 77.7 | 1.7 | 7.7 | 7. | 7 | . 7 | • 7 | 1. | 21.5 | 1. | 1." | 1. | . 1 . | • |
| ≥ 900 | . * | | 77,7 | | • | • • | ' i • | | | 91. | | 1.7 | 1.3 | 1. | 1. | |
| ≥ 800 | • " | 71.1 | 7 . 7 | • | | 1.3 | 97.º | | | 27. | · 7 · · · | T | 7.7 | | e 1 . 1 | · · · · · · |
| > 700 | • | 1. | 7 .8 | 77.1 | | | 74. | | | , , | | - Q | 4.3 | | , u . c | |
| ≥ 700 ≥ 600 | | | 7 .7 | 1.1. | 71.7 | 2.5 | 11 T . 3 | • | | 11.00 | | 96.0 | • 1 | | 16.1 | * * • |
| ≥ 500 | | 7 | • | 1.1 | 1.1 | | 35.0 | ! | · · | - i | • 1 | 4, 4 | | | 4.4 | |
| ≥ 400 | • " | | | 1 .1, | 71. | ٠. | 44. F | · • 1 | • • • | $(x^{-1}\bullet 1)$ | · . • i | S-0 🙀 | | 12.7 | 5007 | · i, |
| ≥ 300 | • | राच्या गुन | | • 1 | 7 | • 1 | 7, , | , , , , , , , | • | 7. | 7 | | - 4 | | ា្ធ 🚛 | · |
| ≥ 200 | • ' | | • | | 1 | 5. | 27.0 | 5.0 | | * * • . | 0 | 59.4 | . 7 | 64.7 | 74.7 | 1 C 4 5 |
| ≥ 100 | • 4 | 7 7. 3 | | . 7 | 1. | | 17. | 1 . 12 | | 2.3 | · ~ ~ | • | . 7 | 53.7 | 90.7 | A . 7 |
| 2 0 | • | | • ' | • 1. | -1.1 | , . . | | | | | 20 | 4.3 | | 1 (5) | | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHTION ASHEVILLE NO

4,3

14

CEILING VERSUS VISIBILITY

- ------

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | V1\$ | IBILITY (ST | ATUTE MILE | (5) | | | | | | |
|----------------------------|------|-----------|-----------------|--------------------|---------------------------------------|-----------------|--------------|---------------------------------------|------------|--------------|--------------------|---|---------------------------------------|---------------------------|---------------|----------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 114 | ≥ 114 | ≥ 1 | ≥ 4, | ≥ 4, | ≥ 13 | ≥ 5-16 | ≥ 4 | ≥ 0 |
| NO CEILING ≥ 20000 | • | 1 | 1 . 1 | 1 . 1 | 1 .1 | 33.1 | 10.1 | i • 1 | 15.5 | 1' • 5 | 1 .1, | 1 .1. | 10.1 | · 1 | 11.1 | 11.1 |
| ≥ 18000 ≥ 16000 | | 17.4 | 1 . 1 | 17.1 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | ; ; . ; ; • 1. | 17.1 | · · · · · · · · · · · · · · · · · · · | 1:01 | 17.1 | 1/11 |
| ≥ 14000 ≥ 12000 | • 1 | 17.1 | 1 2 1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1: | 17.1 | 17.1 | 1 .1 | 17.1 . <u>17</u> .1. | :". _1.\. | 1 |
| ≥ 10000 | | 17.1 | 1 (4); 17•1; | 12.1 | 17.1 | 7 • 1 17 • 1 | 17.1 | · · · · · · · · · · · · · · · · · · · | 17•1" | 17.1 17.1 | 1 7 • 1 1 7 • 1 | 17•1 17•1 | 17.1 | 17.1 1.7.1. | 17.1 | |
| ≥ 8000 ≥ 7000 | | · · · · · | 1 • | - 4 | 1 3 4 | 17.01 | 19.6 | 1 | 1 • • | 1 . • · | 1 . 4 | 1 .4 1 . 4 | 1 . 4 | 1 | 12. | |
| ≥ 6000 ≥ 5000 | _ | | | - <u>r</u> | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 3.7 | 27.3 | - 1 ; 7 : | • • | | 7 7 | <u> </u> | ., ., | . <u>2n•7</u> . | Z (3 • 3). | • |
| ≥ 4500 ≥ 4000 | | | 1 | 7 7 | 79.1 37.1 | 4. | 7 | | 11 | 34 | - 1, | | | . 📜 🚉 | | , |
| ≥ 3500 ≥ 3000 ≥ 2500 | | | - 4 | - 7 | 3 . 1 | 1.0 | 1. | | | | | | | | | |
| ≥ 2000 ≥ 2000 ≥ 1800 | | 1 | 4 | 1 2 1 2 1 5 7 7 | 7 4 | 7.1 | 67.1 70.6 | - 7 - 1 - 70 - FT | (7.1 | 3 | <u>* 7 - 1 - </u> | $\frac{2}{7}$ | 2 | 1. | £ 7 • 1. | |
| ≥ 1500 ≥ 1200 | | | 7 .7 | 7 , >-1 | 7 1 G | 5.3 | <u> </u> |] • | | <u>1 • ¢</u> | | - 1 - 1. | 1.5 | | 1 | |
| ≥ 1000 | . 1 | | 7 | 11. | • • | 7 • 2 | 1 % L | - 7 | | 1. | $-\frac{1}{1}$ | <u>-5</u> - 7. | 7.7 | 1 | 1. | 7 |
| ≥ 800 ≥ 700 | • | | | | 3 3 • 1 | 7 | 71.7 | - | | 7.1 | 3 5 , 7 | - 5 • · · · · · · · · · · · · · · · · · · | | | | . , • :- |
| ≥ 500 | = - | | 7 7 - 7 | · · · · · · | | 1.1 | 07.3 | 10.1 | | 97.7 | 7.7 | 7.7.7 9: 4 | 4 | · = -7. | 17.7. 28.7 | |
| ≥ 400 ≥ 300 | | | 7 . | 1 . 5 | 1 | 1.7 | (4.5) | <u> </u> | 25.4 | 7 t • • | ? • <u>4</u> | 7 . 7 | ~ <u>. 4</u> | , <u></u> | €8.7. €9.4 | 7 |
| ≥ 200 | | | 7 - | | 7 . | - <u>! - ^</u> | 9 a . 5 | 6. <u>a</u> 3 | 16.0 | 99.0 99.1 | 600 N | • | 5% <u>, 8</u> | ⊢ <u>०९ • ६</u> ०७ • • | 10.7 20.7 | |
| ≥ 100 ≥ 0 | • | • 1 | 7 . | 4.5 | 57. | 1.3 | 04. | - 4 | 24. | :4. | 5.6 | 37.6 | . ^ . L | 20.4 | <u> </u> | |

| TOTAL | MILMRED | OF | OBSERVATIONS | • | 3 | |
|-------|---------|----|--------------|---|---|--|
| IOIAL | NUMBER | Q. | OBJERTATIONS | | | |

NAVAL WEATHER SERVICE DETACHMENT ASHEVRELL NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (STA | ATUTE MILE | E S) | | | | | | |
|--------------------|------------|---------------------------------|------------------------|-----------------|---|---------------------------------------|----------------|---------------|----------------|----------------|-------------------------|---|------------------|----------------------|-----------------|--------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 215 | ≥ 2 | ≥ זיו | ≥ 14 | ≥ 1 | ≥ 3, | ≥ 46 | ≥ 13 | ≥ 5/16 | ≥ ,, | ≥ 0 |
| NO CEILING | | 1 | 1 . 1 | 1 -1 | 1 . 4 | · • 4i |] · • 4 | 4 | 1 | 1 | 1 • 4 | 3 | 1 . 6 | 1 4 | 1 4 | 1 |
| ≥ 20000 | <u>`</u> • | 1 | 1 | 1 . 7 | 17. | 10 • 4 | 1 . | 1 -1 | 1 | 1 .: | 17.0 | 1 . | <u>;</u> | <u> </u> | 15 | .' |
| ≥ 18000 | • | 1.2.1 | 1 | . 7 | 10.1 | 15 • 1 | 13. | • | 1 • 1 | 1 | 1. | 11. | 1 . | | 15. | 1 |
| ≥ 16000 | 1 • | 1 1 7 | 1 . 7 | 1:47 | 1 | 11. | <u> </u> | • | <u> </u> | · · · · · | | <u>.</u> | | . <u>i •</u> ; | 17.0 | 3 . |
| ≥ 14000 ≥ 12000 | 1.0 | 1 | | 1 7 | 14.1 | 15 • 1 | 1 | | 1 - 1 | 10.1 | • | | • | 17. | 19.0 | 1 |
| ≥ 10000 | | 7 | 1 | | 1/. | 15. | 1.1 | | ···• - 1 - 1 | 1 | | | · | | $1^{\tilde{c}}$ | 14 |
| ≥ 9000 | | 1.4 | 1 . 1 | 1 | 1 | | 100 | 4 | 1 | 10.4 | 1 | 1 | 20.4 | 5.5 | 14.5 | |
| ≥ 8000 | | 1 | 1 .4 | 1 .4 | 1 1 . 7 | 10.7 | 17.7 | * * 7 | 1 1 7 | 1 . 7 | 1"." | 12.7 | 1 | 10.7 | 15.7 | 1~.7 |
| ≥ 7000 |) • | 1. • 7. | 1 · 1 | <u> </u> | 21.1 | 1 • 1 | . 1.7 | 1.5 | · t • ` | 71.0 | 11. | 71. | . 1 . 1 | 1. | 1.1 | ^1• |
| ≥ 6000 | • | 1. | 11. | 1.1 | 11.1 | 1 • 3 | | | 1. | 1. | 1 • 3 | 1. | 11. | 1. | 21.5 | 1. |
| ≥ 5000 | | 1.1 | 11.1 | ~ <u> </u> | <u> </u> | 1. | 11. | <u> </u> | 1 • | 11. | | | | $\frac{1}{2}$ | | 1 |
| ≥ 4500 | ٠. | • 1 | 2 4 | 2.4 | ``• | • | - i • i • | • • | • | • | • | 33.43 | • | 4.4. | 7.7 | 7.5 |
| ≥ 4000 | · · · | ! • <u>}</u> } -: | - 11 - - 기기 | • | <u>,} (, , , , , , , , , , , , , , , , , , </u> | <u> </u> | | | | | | | | . 🛬 🏥 | | |
| ≥ 3500 ≥ 3000 | | 1 4 . 1 | 3 - 5 | * 1 | 3.1 | | .6.1 | . 1 | • 1 | 3-1 | 1 | | 1 1 | 76.1 | 35+2 35+1 | • 1 |
| ≥ 2500 | ` . | 4 - 1 | 4 7 | $\tau = \gamma$ | C. 7 | 4. 4. | C ~ . f | | | | | | | 2. | • | |
| ≥ 2500 ≥ 2000 | 1. | • 1 | J~ • ** | 1.0 | 1.7 | 1.5 | 65.0 | L | | 2001 | | A 1 . 1 | - 1 | 1. 1. 1. | 65.1 | + 5 . 1 |
| ≥ 1800 | • | | 6 ° € 3 | | 5 | · u | 6 . 7 | • 7 | • | 5 1 | 1 - 7 | 1.5.7 | J. U . | 1.5. | 53. | • |
| ≥ 1500 | i • . | 1.1 | 7: . 7 | 74.5 | 7.01 | 3 . • . | | • 3 | • . | • 7, | • • | • 7 | 1 • | . 1. | 1.1 | 1. |
| ≥ 1200 | • | 1 | • | 7 . 7 | ? : . ⊃ | 5 • 4 | 4 . 5 | • • | • | • | . | • • | 77.1 | · · · · · · · | 5 6 · 1 | î • • ! |
| ≥ 1000 | • | } | 7 4 . 4 | 1 | | | | 7 | | · . | • | • | 7 | . 3.7. | ⊃{•7. | |
| ≥ 900 | . · | | 7 | -1.5 | र ५ •्ह | 7 • 4 | 3.3 | . 7 | • 1 | | 1. | _ } | 71.4 | 11. | 1 | 1.0 |
| ≥ 800 | | | | 7 6 | 7. • 48 | · · · · · · · · · · · · · · · · · · · | <u> </u> | | | | | <u> </u> | - ' • ' | | 36.2 | 4 • 4 |
| ≥ 700 ≥ 600 | | 1 4. <u>.</u> | 7 .5 | | 20 • 1 -20 • 1 | िंहें हो | 77.€ 133.€ | • • • | | ا • . و و د | - 71 • 45 - 5 4 = 51 | | ہ ہے۔ جاتے وی | - 0 • 1 - 0 • - 1 | 76.5 | ~ |
| F: : | | 1 - 2 | 7 | 15.0 | c , . ~ | J | - 3 | | -+ | 16.8 | 2 + 4 | 97.4 | 7 | · - - | 57.7 | . , , |
| ≥ 500 ≥ 400 | | | 7. | | 2 % 14 | | 23.2 | با راد | | 47.4 | y 2 . 1 | | . 4 | - 5 - 4 | 6.4 | |
| | | 4. | 7: | - 3 | 25.7 | 1. 7 | 37.0 | E 74 (K) | - 7 | 95. | 90.7 | 99.7 | | 23. | 9.9 | ¢ . |
| ≥ 300 ≥ 200 | 1 | ti . | 7 | 2.7.0 | 8 . 7 | | 97. | *** | | ° 5 . 4 | 40. | Q to | 70.7 | 79.7 | <u>120-di</u> | 20.0 |
| ≥ 100 ≥ 0 | 1.0 | 4.1 | 7 | 7. J | 3 - 7 | 7.7 | 93.00 93.00 | 5.5 | , , | 0,4.4 0,.⊌ | 66.1 | 50.0 50.0 | 17.7 | 99.7 | 10 n | 75.0 35.0 |

| TOTAL | MILMBER | ٥. | OBSERVATIONS | 1 |
|-------|---------|----|--------------|-------|
| SOLVE | NUMBER | U, | UBSERVATIONS | ٠ |

DIRNAVOCEANMET SMOS

NAME MOITATE

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO.

CEILING VERSUS VISIBILITY

1 -- HOURS : L S T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MO CELLING | CEILING | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | ·- |
|--|------------|----------------------------|----------------|---------|--------|----------------|------------|-------|-------------------|-----------|--------------|------------------|----------------------|---|---|--------------|-----------|
| 2 10000 | | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 1% | ≥ 114 | ≥ 1 | ≥ 1, | ≥ % | ≥ % | ≥ 5/16 | ≥ . | ≥ 0 |
| ≥ 20000 | NO CEILING | 1.1 | 7. | • | 7.4 | 7.4 | 7.4 | 7.4 | | 7 . 4 | 7,4 | • • • | 7 . 4 | 7.4 | 7.0 | 7.4 | / . L |
| ≥ 16000 | ≥ 20000 | 1.7 | | | . 11 | 7.4 | 7. | | | 7 . " | 7.4 | 7 . 14 | 7.4 | 7.4 | 7 . 4 | | |
| ≥ 12000 | | ! • 1 | | | 7.7 | 7 | F . 7 | | ļ . . | • | . ? | ~ <u>.</u> 1 | · · 7 | • 7 | 7 | 5.7 | 7 |
| 2 10000 | ≥ 16000 | | . 1 | | • 7 | i . 7 | 2.7 | | - | | | · · · · · · | | ? | | 3 • 7. | |
| \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin* \begin{align*} \begin{align*} \begin{align*} \begin* | | 1 • 1 | | | • | • " | | 1 • I | | • 7 | 5 a i | 7 | . 7 | 7.3 | . ~.7 | ٩.٣ | . • 7 |
| ≥ 8000 | ≥ 12000 | | ·- | | | | | | • 7 | | • - | · | <u>• 7</u> , | | | | . •.7 |
| ≥ 8000 | | 1 • 1 | • 1 | • 1 | | • | i | `• ^ | **** | • 1 | | F = 5 € (*) | • | • | | `•' | • |
| 2 7000 | ≥ 9000 | | | - | | | <u> </u> | • | | | | | | | | _ • | |
| ≥ 5000 | | • | • • | | | - : | | | | | | | | - , 7 | 3. | 3.7 | • 7 |
| \$ 5000 | ≥ 7000 | | | | 13.4 | | | | | | | | | _11.2 | <u>! !!•</u> ;, | 11. | |
| ≥ 4500 | | | | 1 4 - 4 | 1~ • " | 16. | | | |] t: • ** | 14. | | 14. | 1 • • ? | 14 • | 14. | 1 5 e î |
| ≥ 4000 | ≥ 5000 | | | | 1701 | _ 1 - 1 | | | | | 1:1 | . 1 • 1 | <u>l • •</u> , | <u>. 1 . • 1</u> | . <u>l. • 1</u> . | _1 _ • 1 | ا ويا |
| ≥ 1500 | | • | 1200 | 11.4 | | | , | | | | | 17.4 | | 1 " • 4 | 17.0 | 17.4 | 1 |
| 2 3000 | ≥ 4000 | | |] | | | | | + | | | • • • | | | 1. | 21.5 | العالمية. |
| ≥ 2500 | | • • | | | | | | | | | | | | 1 | | 21.3 | * 1 • |
| ≥ 2000 1 0 2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 | 2 3100 | | | | | | | | + | | | | | | | 41.0 | |
| ≥ 1800 1 | | | 1.41 | • | • • | | | | أنسا | • | | | | | 2200 | . 7 . 9 | • |
| ≥ 1500 1 1 1 1 2 3 3 3 3 3 3 3 3 3 | ł - · | | | | | | | | · | | | | | / فسند | | . <u>5</u> / | . 4 / • / |
| ≥ 1200 1 1 1 7 0 1 6 1 7 0 1 6 1 7 0 7 0 7 7 7 7 7 7 | | | | | - 1 | | | | | 110 | 11.7 | | - / 1 • !• • ! | 1.0 | • | /1• | |
| ≥ 1000 1. ↑ 1. 4 7/•1 744.5 | 2 1300 | | | | | | | | • | | | | | · | ، بيا⊈ کيار ، | 1 | • • |
| ≥ 900 | | | | | L Co | • | | | | | | | | I | | | • 1 |
| ≥ 800 1. 7. 7. 7. 60. 3. 9. 4. 1. 7. 5. 5. 7. 6. 3. 3. 6. 3. 3. 6. 3. 3. 6. 3. 3. 6. 3. 3. 6. 3. 4. 6. 3. 4. 6. 3. 4. 6. 3. 6 | } | | - | | | · • | | | | | | | - - 1 • - | <u> </u> | | | ٠., |
| ≥ 700 | | | | 7 | | 9 (1 | | | | , | . • • | 1 | | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | | • • |
| ≥ 600 1.0 1.2.7 7 07 62.01 6.07 1.07 1.07 1.07 1.07 1.07 1.07 1.07 1 | } | | - | | | | | | | <u></u> | · <u></u> : | ·— + | | | . — • . | | |
| ≥ 500 1.1 1.0 7 0.1 | ≥ 700 | | | | | | 3 4 74 | - | 4 • ** | | | . • | | | | 70.01 | 1 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | ⊢ | | | -, - | | _ - | <u>-</u> - | | | , , | · | | | · · | | | |
| ≥ 300 1: • 1 1: • 7 • 1 10. • 1: • 1 12. • 15. • 1 10. • 1 10. • 1 10. • 1 10. • 4 10. • 4 10. • 4 10. • 4 | | | • ! | 7 | | i | - | | | • . | | | 1 | | | 00 | • • |
| 1 5 300 1 | F | | | 7 | - | | | · · | جئے تارنسان ج | | 1-7-7 | | | | • | 30.0 | |
| ▲ HP TOTO 및 선생님의 이번에 안 된다. '무역에 가득하는 사람들 이번에 나는 지원 수 있는 선생님, 선생님, 선생님, 이번에 가득하는 것 | | | | 7 | . ! | ! | | | | | | | | | | • | 23. |
| > 100 1 1 - 7 22 - 3 7 - 7 2 - 5 22 - 5 22 - 5 22 - 5 23 - 5 23 - 4 23 - 7 25 - 7 22 - 5 32 - 6 22 - 7 22 - | <u> </u> | | | | | | | | | | | | | 1 c _ m | | | |
| ≥ 100 1.5 - 7 7 - 1 7 - 2 7 - 2 7 - 3 7 - 4 7 - 2 7 - 4 7 - 7 7 | | | | | | • " | | | | | | | | • | | | |

TOTAL NUMBER OF OBSERVATIONS 71.

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (STA | ATUTE MIL | ES) | | | | | | |
|-----------------------|------------------|--------------|--------------------|--------------------|--------------------|---|----------------------|--------------------|--------------|--------------|----------------------|------------------|-----------|------------------|--------------|------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 175 | 2.1% | ≥ ; | ≥ 1, | ≥ 4 | ≥ % | ≥ 5/16 | ≥ , | ≥ 0 |
| NO CEILING ≥ 20000 | ₹ • 1 ≟ • 1 | 1 • 1 | 1 . | | 1. a | 10.0 10.0 | 10.5 | 1. | 15.0 | 10. | 10.0 | 10.0 | 1 . 7 | 17.0 | 17. | 1 - |
| ≥ 18000 ≥ 16000 | ~ | 1 4 | 1 . H | 1 | 10.4 10.5 | 10.4 | 1 (1 + 4 2 (1 + 9 | 1 4 | 1 | 1 . 4 | | 1 | 1 . 4 | 15.4 13.4 | 77.4 10.4 | 11.4 |
| ≥ 14000 ≥ 12000 | | 10.7 | 11.7 | 1 .7 | 17 | 14.7 | 1 • 7 | 11.7 | 11.7 | 11. | 11. | 11.7 | 11. | 11. | 10.7 | 11.7 |
| ≥ 10000 ≥ 9000 | * • • | 11. | 11. | 11.7 | 11. | 11. | 11.0 | 11.5 | 11. | 11. | 11. | 11. | 11. | 11.0 | 11. | 11.5 |
| ≥ 8000 ≥ 7000 | • | 11.0 | 1 .7 | 11.7 | 11.7 | 11.7 | 11.2 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| ≥ 6000 ≥ 5000 | • 1 | 17. | 1 . 1 1 / . 4 | 17.5 17.5 | 17.5 | | 15.5 | | 17.5 | 15.5 | 15.5 | 17.5 | 17.5 | 15.5 | 17.5 | 15.5 |
| ≥ 4500 ≥ 4000 | 7. ↓ 7. ⊌ | 7.7 | 1 ১৯ প্ ্ ১৯ প্ | 17.7 | | | 13.8 22.7 | 10.5 | 17.7 | 13. | 1 1 . A 2 2 . 7 | 70.7 | 2 . 7 | 1 . | 17.7 | 1 |
| ≥ 3500 ≥ 3000 | 11. | • 1 | 3 1.44 3 .5 | 7: . 7 | 31 • 18 34 • 54 | 70.5 | 30.7 | 7 . 7 3 . 4 | 7) . 7 | " 5 | ' उ र्देश | 10.7 | 2:.3 | 31.1 | 31. | |
| ≥ 2500 ≥ 2000 | `] •₹ 17•: | • 3 | 1. | . 1 | 5 T . 4 | (2.5 (6.5 | 53.1 55.3 | 7 • 1 6 • 3 | 57.1 | 53.1 | 5.1 | 13.1 5/.3 | 1 7 | 53.4 64.3 | 67.4° | e |
| ≥ 1800 ≥ 1500 | 1. | , ė . l | 50.0 71.0 | 70.7 | _ | 10. | 71.2 | 11.5 | 71.7 71.7 | 71 | 71.7 | 71.2 | 11.5 | 71.5 | 71.5 37.5 | 71. |
| ≥ 1200 ≥ 1000 | 1 | 7.0 | 74.4 | 1 . E | 56.4 | 5.1 7.1 | 30.1 de. | 7 7 | 7.4 | S to • 7 | 36.7 | 7 | 57.1 | 47.1 90.6 | 47.1 | 57.1 (2.4) |
| ≥ 900 ≥ 800 | 1 | 6.7 • 3 | 7 1 | | | 7.4 '0.5 | 26. 91.6 | ``` ` ``` | | 73.1 | 7 | र्ग • व ५.३•व | 74.2 | 91.7 34.7 | 91.3 | 1.03 34.0] |
| ≥ 700 ≥ 600 | 1 • 1 | | 7: •1 7: •1 | 04.1 ∂4.1 | 60.3 | ે 9. દ ૧ ૧. ૧ | 92.3 42.0 | ारक्र अक्रक | 74.9 | 54.5 35.6 | 96.1 | 96.4 96.4 | 91.2 1 | 75 • 3 96 • 3 | 55.5 46.5 | 01 • 1 06 • 1 |
| ≥ 500 ≥ 400 | | 4 3 . 3 | | 2 4 • 1 2 4 • 1 | 52.5 | 0.9 10.0 | 1 (3 . i | 75 • Si 75 • Si | | 95 • ⁴ | | 97.4. 57.7 | 35. | 98.4 98.7 | 98.7 | 5 |
| ≥ 300 ≥ 200 | 1.0 • · | 59.3 | 7: - 1 | ુવ.1 ુ⊾.1 | | 1.4 ± | 73.5 | . F | 95.5 95.8 | 96 . | y 7 . 4 | 97.7 | _ | 28.7 | 58.7 | ^; • 1 |
| ≥ 100 ≥ 0 | | 55.3 55.3 | 7: •1 7: •1 | 34 • 1 34 • 1 | | 7 | 03.5 | 15 • H | 95.3 .5.3 | | | 98.1 98.1 | | 79.3 | | 100.0 100.0 |

| TOTAL | NUMBER | OF | OBSERVATIONS |
|-------|--------|----|--------------|
| | | | |

NAVAL WEATHER SERVICE DETACHMENT, ASHEVIELE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ % ≥ 1% 1 ≥ 1% ≥ 10 ≥ 5 ≥ 4 ≥ 3 ≥ 21/2 ≥ 1 ≥ % | ≥ 15 . ≥ 5/16 7. ≥ 20000 4. 3.8 با و و د ≥ 18000 ≥ 16000 <u>?</u>.: c . 1 9 . 1 • 1 ≥ 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 4500 ≥ 4000 10.5 3500 53.3 63.3 58.3 ≥ 2500 ≥ 2000 1500 700 32. .4.2 04. ⊋i. • 1 2. 14. 94.3 27 • 7 200 1.1 97.7 80.4 25 . In 47.7 90.1 90.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

MORTH • ;

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| (FEET) ≥ | ≥ 10 | ≥6 13.4 | ≥ 5 | ≥4 | ≥ 3 | ≥ 21/4 | ≥ 2 | | | | | | | | | |
|--|---------------------------------------|----------------------|---------|----------|-------------|---------------|------------------------------|---------------|---------------|---------|--------------|----------------|-----------------|---------------------------------|----------------------|---|
| ≥ 20000 ≥ 18000 | • 1 | 13.4 | 1 7 4 | | | 2 | | ≥ 11/5 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ ½ | ≥ 5/16 | > • | ≥ o |
| ≥ 18000 | | | 1 2 | | 1 . | 13.4 | 1 | 1 | 1 . | 13.6 | 1.7.5 | 13.5 | 17.1 | : '. | 13.3 | 1 |
| | • 1 | 14 - 1 | 4 • 1 | 13.9 | - 3 | 11.9 | 17.1 | 11.3 | 17.3 | 13.7 | 13.7 | 15.9 | 14.0 | 17 | 1:00 | • |
| ≥ 16000 | • 1 | | 1 4 . 7 | 1 | 14.2 | 14. | 14. | 14.0 | 14.7 | 1 4 6 2 | 10.0 | 14.2 | 3.4.7 | 15.0 | 24.2 | 14. |
| | | 14.4 | 1 1 | 10.5 | 14.5 | 14.0 | 14. | 14.5 | 14. | 1401 | 14 | 1401 | 140 | 14 | 14.5 | . 19.4 |
| ≥ 14000 | • 1 | 10 . 0 | 10.5 | 1 + 60 | 14.7 | 14 | 14. | | k 14 🐷 | 14.1 | 14.40 | 1 4 6 6 | 30.0 | 14. | 14.4 | 14.0 |
| ≥ 12000 | • ! | 14.1 | 19.4 | 24.4 | 14.7 | 14.4 | 14.0 | | 15.0 | 14.2 | 14. | 14. | 10.5 | | 14.7 | 1.4. |
| ≥ 10000 | • 1 | 14. | 1 1. | 14.9 | 14 - 3 | 14.3 | 10.0 | 14.0 | 14.0 | 34 • O; | 14. | 14.5 | 74.0 | | 14 | , a |
| ≥ 9000 | • 1 | 14.1 | 14.7 | 15.9 | 10.0 | 14.4 | 14.3 | · | , | 14.5 | 14,4 | 1400 | <u> 14.4</u> | <u> </u> | 14.5 | . 1 - <u>.</u> 9 |
| ≥ 8000 | •] | 11.04 | 14. | 1 = - 2 | 1-5-7 | 10.3 | 3 r • 🖰 | 15.2 | 1 % | 10 44 | 14.7 | 1/.2 | 16.7 | 16.7 | $T \sim 5$ | 1 • |
| ≥ 7000 | | 1 ! | 1 • 1 | 1 • 3 | 1 • 1 | 13.1 | 1 - 1 | 1 - 1 | 1 > • 1 | 1 • 1 | 1 1 | 12.1 | 1 • 1 | 16.1 | <u>. 1 1</u> | . <u>1</u> .• <u>1</u> |
| ≥ 6000 | •] | 1 | 3 • 7 | 1 6 | 1 | 10.9 | 10.3 | | i | | 18.50 | 1 (• 5. | 1:• | 1.5 | 16.5 | 1 7 • 7 |
| ≥ 5000 | •] | 4 3 4 | 2 6 14 | 4 | - 4 | 70 • 4 | 2000 | *(i • 6) | | · | 20.4 | 25.04 | | . <u> </u> | <u>-</u> 2 | |
| ≥ 4500 | • 1 | 42 - 1 | ? | 2.7 | 7.0 | 2.7 | 27.7 | - , | | 3 4 • 6 | 22.7 | 32.7 | 22.7 | 22.7 | 32.7 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| ≥ 4000 | • 1 | <u> 15.0 ∰</u> | 25.00 | 2 | 25.6 | - 5 | | 70.0 | | C | <u> </u> | <u> </u> | <u></u> | 25.4 | <u> </u> | |
| ≥ 3500 | • 1 | • 1 | , Li | | 36 • 66 | 33.0 | 37,4 | | , ~ h | | | 20.4 | | 5.00 | 30.4 | 3 . • • |
| ≥ 3000 | • 1 | | 37•≒ | | ু ১৯ ক ট | - 77 • 3 | 37.2 | | • • | 2110 | 31.0 | <u>3° • ₹.</u> | | | 27. | |
| ≥ 2500 | • | | 57.1 | | 54 • 1 | 4 • 1 | ا ۾ ايا جو ايا اور جو ايا | 4 1 | 4. | 4 . 4 | € # • # | | به میاند د د | 4.0 | | . 4 . 4 |
| ≥ 2000 | | | | 5 . 7 | 57.7 | 7.7 | 50. | ائو فيند | <u> </u> | | - 6 - 4 | **** | | . · · · . | ⇒^•6 | |
| ≥ 1800 | • 1 | 2 • I | | | | 70.4 | 71.5 | <u>1</u> • *! | 71.5 | 71.6 | 71.3 | 12 • 3 | (1 • 1 | 11. | (1.1 | 11.5 |
| ≥ 1500 | | 5 3 • 14 5 3 • 11 | 7 • 1 | | 77.6 | 10.5 20.3 | 33.7 | | | ي و ز | | | _ =_ • • | | | |
| ≥ 1200 | . 4 | | 7-,0 | | 37.F | 14. | -5.1 | | 4 · 7 | -7.4 | | 37.4 | | 17.4 | 0.5 | 37.4. |
| ≥ 1000 | | | | <u>1</u> | 37.7 | 20.41 29.5 | | | - | | 4 4 4 | | | · — • · · · | 7.1 | |
| ≥ 900 ≥ 800 | • 1 | . 4 | 7 | 25 a 1 | 80. | 1 | 91.6 | 77.2 | | | Garage State | ~ 5 • 3 | | - 19 3 ⊕ 3- - 22 - 21 | 93.5 | • |
| | · · · · · · · · · · · · · · · · · · · | 70.1 | - | 5.7 | 7 | 1. | 94.5 | 25.5 | 38 • 31 | 95.2 | | | · - , | | | • ^ • , |
| ≥ 700 > 600 | • ; | 71.7 | , · . | 17.1 | 71.7 | 1. | ુધ•ુ - પુથ•ુ: | 2 · 3 | | | 96.4° | 95.5 | 7101 | 7.7 | 77.1 | |
| } | | 71.7 | 7 | 7.1 | 71.4 | 100 | 3.5 | | | | | 20.1 | 7 | 2 2 4 A | 20 7 | |
| ≥ 500 ≥ 400 | • | 71.7 | ~ ~ | 7.1 | 1. | 2 | - 5 5 € 7 | 0.1 | | 98.1 | 95 . 1 | 90.1 | 20.4 | 7 | 479 e f. Oph - 79 | 7 |
| <u>├</u> | • | 71. | 7 - 1 | 7.1 | 91.1 | 2.0 | 5 | 10.4 | | | 9 4 | | | | 20 | |
| ≥ 300 ≥ 200 | 1 | -1.7 | 7 | 7.3 | 91.3 | 2.1 | 7 5 € P | - 1 | | 92.7 | 98.7 | - 1 | C 2 4 | 0 • () | 49.7 | ζς, |
| | • | 71.3 | 7 | 57.1 | 31.0 | 179.5 | 7.5 | | | | | | | 33.7 | | · |
| ≥ 100 ≥ 0 | | | 7 | | 7.1 | 2.0 | 7,0 | | | - 1 | | | | 39.7 | | 1 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | • | | | | | VIS | IBILITY (ST. | ATUTE MIL | ES) | | | | | | |
|-----------------------|--|--------------------|---------------|---------------------------------------|--------------|-----------------|--|---------------------------------|---------------|---|---------------|---------------------------------------|--|------------------------------|--------------------------------|------------------------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 11/2 | ≥ 1% | ≥ 1 | ≥ ¾ | ≥ % | ≥ % | ≥ 5/16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | . 1 | 17.1 | 1 . | 17.5 | 1 . 1 | 1. | 17. | 1 7 . c) | 17. | 17.5 | 1 . 4 | 17.6g | 1 . 2 | 17.5 | 17.5 | 17. |
| ≥ 18000 ≥ 16000 | . 1 | 1 • 1 | 1 | 1 .4.2 | 11.2 | 10.4 | 10.5 | 1 | 1 | 1 01 | 14.4 | 1 | 12 | 12. | 15.6 | 1 |
| ≥ 14000 ≥ 12000 | | | 1 • . | 1 .2 1 .2 | 1 | 19.4 19.1 | 19.0 | 10.2 | | 17.3 | 11.7 | 19.2 | 17.5 | : | 17:0 | |
| ≥ 10000 ≥ 9000 | • 1 • • • • • • | 1 : • 4 1 · • 4 | 1 . 7 | 1 4.2 | 17.5 | 19.0 | 19.7 | 17.2 | 1 | 1 | 16.7 | 17.2 | 17.5 | 16.7 <u>14.</u> 2 | 1 . | 11. 11. |
| ≥ 8000 ≥ 7000 | .1 | 1 • 1 | 17.7 | 19.2 | 1 | 19.3 | 15.7 17.9 | <u> </u> | 1 | 1 / 0 1 | 17.2 | 10.2 | 10.3 11.3 | 17 16.) | 11.1 | 1 • 2 |
| ≥ 6000 ≥ 5000 | • 1 •• 1 | • 1 | 21.5 [1.6] | 7. • . [1 • 2] | 27.5 71.5 | 33.3 | 70•3 21•5 | 1. | | 25. | 20.5 | 21.0 | 75.5 21.1 | | 11.5 41.0 | 11. |
| ≥ 4500 ≥ 4000 | • 1 | ا: ۱۰ د په و د | 37.1 | | 27.4 | 7 . 4 27 . 4 | 27.4 | - 7 • 4 | | 2 · • • • • • • • • • • • • • • • • • • | 27.4 | 73•1 .27•4. | , 1 | 7 • 1. 7 • 4. | 27.1 27.4. | 27 • 41 27 • 5 |
| ≥ 3500 ≥ 3000 | • 1 | • • | . 31 | ₹4.66 <u>44</u> ; | 6).n | 11.0 11.0 | 3"• \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 1. | 3107 | ٠ بغف | ·1• | 7) 4 ! | ٠٠٠، <u>11،</u> | 33 . <u>+1.7</u> . | 3".5 41.1. | 41. |
| ≥ 2500 ≥ 2000 | | • ' • | 51. | * 3 • 4· * 5 • (9 | 67.4 | | - 56 • 3 - 69 • 7 | 1,007 | 54 • <u>1</u> | - 4 . 4 1 | 54.6 54.1 | 54.4 <u>65.1</u> | 14.8 | 04.4 1. <u>6</u> 9.1 | 54.4 67.1. | |
| ≥ 1800 ≥ 1500 | • 1 | - 7 | | 79.7 | 3 | 71 • 7 2 • 7 | 72.7 | | e 3 . 7 | 33.4 <u>84.4</u> | 72.5 .54.4 | 72.6, 44.4 | 7 .4 | 72•€ , 54•4, | रहे के के इंक्रक | <i>ीं दे</i> • ≎ ें सं∗्व |
| ≥ 1200 ≥ 1000 | • i • <u>1</u> | 1 • 1 | 7 • 2 | 4.7 | | · 7 • 3 | - (• 3 - • 6 | ۶.۶ جُرِّ غَ ِّ (| 1. | 7. • . | . <u> </u> | · · · · · · · · · · · · · · · · · · · | ** • • • • • • • • • • • • • • • • • • | . <u>12</u> . <u>12</u> . | | 3° 1 |
| ≥ 900 ≥ 800 | • 1 | 11.3 | 31.4 | · · · · · · · · · · · · · · · · · · · | | 7.0 | 92.6 | - 1 | | 34.5 | 90.5 90.6 | प्रक्र प्रक्र | ۲۰ <u>۰</u> ۶ ۱ | <u> </u> | पर्क. १ <u>५</u> ५ ३ | |
| ≥ 700 ≥ 600 | | 1. | 91.4 31.6 | 3.6 | 03.0 | 1.5 | 53.5 84.5 | 74.3 75.1 | 44.5 | 75.4 | 77.4 | 96.1 | 77.4 | ا و ده ر ف تي | 27.4 | 07.4 |
| ≥ 500 ≥ 400 | • 1 • • • • • • • • • • • • • • • • • • | 1.1 | 01. | 1.5 | 71.4 71.4 | ?•: !1•? | 0" • 4 | ~ E • 7 | 97. | ि हे • म 9 3 • 71 | C 4 4 7 | 97.4 | | 09.4. | | ე. - ^ `• • <u>•</u> |
| ≥ 300 ≥ 200 | _ • . | 1 • 1 | 51. | 7.3 | | 3.7 | 95.1 | 7.1 | 27.6 | 7 · · · · | 36.7 | 96.71 - 20 -31 | 10.4 | 2.00 • 4.1 0.00 • 4.1 | 49.4, 49.7 | 39.0 33.7 |
| ≥ 100 ≥ 0 | •] | 1.7 | 41.9 ∂1.0 | 7 • 3 - 7 • 3 | - • | 3.7 | 95.0 | | 77.6 27.6 | 99. | 09. | 99. | 99.7 | 9.1 79.1 | וריים. ווריים ו | !"" • " !"(• _ |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | IBILITY (ST | ATUTE MILI | ES) | | | | | | |
|-----------------------|--|-------------------|--|-------------------------|---|-----------------|---------------------------------|---|---|-----------------------------|---------------------------------|-----------------------------|---------------------|------------------|--|----------------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 21/2 | ≥ 2 | ≥ 115 | ≥ 114 | ≥ 1 | ≥ ¾, | ≥ 4, | ≥ 1/3 | ≥ 5 16 | ≥ . | ≥ 0 |
| NO CEILING ≥ 20000 | 1 | 1 2 - 7 | 1 . 4 | 1 .4 | 1 . | 1. | 17. | 1 3 • 1 2 * • 1 | 1 . | 1 | 17. | 17.5 | 1,0 | (* | 17.5 | |
| ≥ 18000 ≥ 16000 | | 14.4 | 14.4 | 14.3 | 14.7 | 14. | 1 4 | 14.3 | 1 | 14,5 | 10.4 | 14.5 | 1 | 14.4 | 14.7 | |
| ≥ 14000 ≥ 12000 | | 14.1 | 1 · · · · · · · · · · · · · · · · · · · | 14.44 14.44 | 11.00 | | 1 " • " | 15 | 14.5 | 144: | 10. | 14.5 | 16.6 | 14. 18. | 14.5 24.6 | |
| ≥ 10000 ≥ 9000 | 1 • 1 1 • 1 | 14.4 | 1 4 • 6 | 14.7 | 14.5 | 14.0 | 1 4 • 1 | *** | 14.0 | 19.60 | 14. | 10. | | 14.: !4.: | 14. | • |
| ≥ 8000 ≥ 7000 | . l | · · · · · · | i • 1 | 1 - 4 | 1 | 17. | 1 7 • 4 | 17.4 | 17.0 | 17.2 | 1 - 5 | 17.4 | | | | |
| ≥ 6000 ≥ 5000 | ै , । ं , । जिल्ला | 17.1 | 1 - 1 | 10.2 | 1 | 10. 4 | 1/07 |) () () () () () () () () () (| 17.5 | 1 • 3 | 1/.5 | 1 - 7 | | 11. 11. | | |
| ≥ 4500 ≥ 4000 | | ी • । १ १ | 5 · 1 | 74 6 | 24.7 | 1.1 | 21.1 24.7 | 11 • 1. 14 • 7 | 24.7 | 21.1 24.31 | 21.1 | 21•1 24•7 | | 21.1 | 21.1 =24.7 =1 | |
| ≥ 3500 ≥ 3000 | - • <i>(</i> | 7.1 7.1 万.耳 | ्रं ⊕ ⁴ ी द्रां, जिं टिचा स | ? e . e . | 3 • 3 | | | | 3 . 7 | | 7 , 9 | 77.3 | 3 \ | | | • |
| ≥ 2500 ≥ 2000 | | . 4 | 57.7 | 10000 10004 10004 | 5 · · · · · · · · · · · · · · · · · · · | 2.6° | 2 2 4 4 2 7 4 4 3 4 5 5 5 | 17 · 2 | · · · · · · · · · · · · · · · · · · · | - 7 - 1 - <u>- 7 - 7</u> | 57.7 57.7 | 27.1 | • / | 7. | 57.8 | • |
| ≥ 1800 ≥ 1500 | • ` | | 7 . 14 | 77.5 | 1.01 | 10.1 | 71.7 | 1•: | 21∙2 | | 7].f. _:::3.3 | 1.3 | | 71.4 . 77.4, | | |
| ≥ 1200 ≥ 1000 | | | 7 • 4; 7 • 6; 77•1 | 7).4. 7).4. | -7.1 -7.7 | 3 • 5 8 • .1 | e 3 . 7 | م • ٠ م • | - | 1.1. | $\frac{1}{1} \cdot \frac{1}{2}$ | 21.4 21.7 | 1 . 1 | . 1.5. | 7, | 1 |
| ≥ 900 ≥ 800 | • 1 | | 7: | 4.6 | | | 12 4 03 5 | 3.5 | - 1 · · · · · · · · · · · · · · · · · · | 24 . 4 25 . 4 | 74 • 5 24 • 5 | <u></u> | 7 | 44.7 | * 1 * * * * * * * * * * * * * * * * * * | اه ما اه ما |
| ≥ 700 ≥ 600 | | <u>7:-:</u> | 7 | 3 . • A | 97. | 1.7 | 74.5 |) . 4 | *** • u | | 3+ 3 | ?6•. <u>35•?</u> 97•? | 7.1 | . [7•1. | 97.1 27.1 | |
| ≥ 500 ≥ 400 | • 1 | - | 7 | * 1 + 11 * 10 + 5 | 00.7 | 2.0 2.3 | 14.7 | | 3:.0 | 77. 77.1 | 7 (• 3 | <u>5 6 • 1.</u> 9 • • 4 | -1 -2-5 -05-7 | 3: • 50 | 57.7 17.1 | • |
| ≥ 300 ≥ 200 | 3. | | 7 - | 7 | 9 % K | 02.3 | 05.7 | 5 • 6 | 77. • 61 | 96. ₹ | 65.6 | V-1 . 6 | 57.4 | . 93 . 4. | 29.6 | |
| ≥ 100 | , 1 | | | 7.7 | 3 3 | | ٠,٤ | r • 6 | | ∴H • € | | - | C C . S | | \$9.79 | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMUS

11

NAVAL WEATHER SERVICE DETACHNEST, ASHES (CCE., Sc.

CEILING VERSUS VISIBILITY

- 100 RS 1 5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VIS | BILITY (ST. | ATUTE MIL | ESı | | | | | | |
|-----------------------|--------------|---|---------------------------------------|----------------|------------|----------------------------|---------------------------------------|---------------------------------------|----------------|-----------------|------------------------|--------------------|-------------------------|---------------------------------|------------------|--------|
| (FEET) | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 213 | ≥ 2 | ≥ ויז | ≥ 11. | ≥ 1 | ≥ 3, | ≥ 4, | ≥ % | ≥ 5-16 | ≥ '. | ≥ 0 |
| NC CEILING ≥ 20000 | | | • ! | • 1 | • i | 3 | | • | • | • ! | • "i | | • 1 | | 7.1 | |
| ≥ 18000 ≥ 16000 | | | 1 | 1 | | 15. | 15.1 | 1.1 | 1:01 | 1 | 1 . 1 | 1 . 1 | 1 . | | 12.1 | |
| ≥ 14000 ≥ 12000 | • | : . ! ! <u>.</u> .] | • • • | • 1 | 1 • 1 | 1 • ! | 1 4 | 1 .1 | 1 • 1 1 • 1 | 1 • 1 | 17.1 | 10.1 10.4 | ! 1 | | 10.1 | |
| ≥ 10000 ≥ 9000 | . <u>.</u> 1 | · · · · · | 1 | 1 | 1 • 1 | 1 1 • 7 | 7 | | 1 • 7 | 1 . | 1 . 7 | 1 • ' | : • ' . <u>1 •</u> ° | | | 1 '. ' |
| ≥ 8000 ≥ 7000 | | ، و ۱۱ ولو | 1 | | 11. 1. | 11.1 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11. | | |
| ≥ 6000 ≥ 5000 | • ' | 1 . • 7 1 4 • 1 <u>1</u> | 1 | • | | 11. | 13.0 | | 1 | 1 | 1~ • • • • | 12. | 12.4 24.2 | 11. | 1 | |
| ≥ 4500 ≥ 4000 | • | • | | • 1 | 1 • 1 | 14 • 4 14 • 4 | 1 • 1 | 1 · · 1 | 1 . 1 | 11 <u>44</u> | 1 ! | 1 • 1 .1.5• | : .; : | . 13.4 . 13.4 | 1' • 1 _1 • • | |
| ≥ 3500 ≥ 3000 | • ! | • : | • | • | | ٠٠٠ (د ٠٠٠ <u>١٠٠٠) </u> | | <u> </u> | | 71. | 71.1 | 1 | ٠٠٠. 'ـونند. | . 11 | 11. | 1. |
| ≥ 2500 ≥ 2000 | • | 1.7 | | · t | 4 | • (| 45 € ° 5 € • ° | 47. | | 90.45 54.7. | 97.6 71.7 | | | • • • • | | • |
| ≥ 1800 ≥ 1500 | | • • • | | | 77.1 | • | | | . /# •*. | 1. 24.7. | 11.1 14.1 | 1.1 | · | 1.1 | 76. | |
| ≥ 1200 ≥ 1000 | • | • 1 | | | • • • | | | | | 1. | 1 • 4 | _ | 1.4 | 1 • • 7 • . | | 7. |
| ≥ 900 ≥ 800 | • | • | , , , , , , , , , , , , , , , , , , , | • |) • • • | | · | · · · · · · · · · · · · · · · · · · · | <u> </u> | | 33.5 | . 2 <u>.1</u> • 3. | | in terminal Andread terminal | | • |
| ≥ 700 ≥ 600 | • | | | | | <u></u> | | • 7 | 4. | | | | | | | • |
| ≥ 500 ≥ 400 | • | ्रं के र - - | 7 | | | | , , , , , , , , , , , , , , , , , , , | · · · · | 3 • ··· | | -7.) | | | | | • |
| ≥ 300 ≥ 200 | • | ै। 'च्या | 7 • 1 7 • 12 14 • 13 | • | 1 • 1 | <u></u> | | . 7 | - 1 | <u></u> | * • • | 3 · • ? | | | | • |
| ≥ 100 ≥ 0 | • | | 7 | 5 • f 5 • 6 | 71. 71. | • | • | 7.7 7.3 | 77.1 | 7 V | . 40 € 10 40 € 10 | | * t | 00 • f ≥0 • f | .70.3 .60.⊅; | |

| | | 4 . |
|-----------------|--------------|-----|
| TOTAL NUMBER OF | OBSERVATIONS | |

CHNAVGGEANMET SMOS

1 44

2. 1.4 2.4 . 2.4

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21-22

| MONTH | HOURS | | | | | GE FREQU | IENCY OF TE | NTHS OF TO | STAL SKY | | | | | MEAN | TOTAL |
|-------|----------|------|---|---|-------|----------|-------------|------------|----------|---|---|-------------|---------|-----------|--------------|
| MONIH | (L.S.f.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | ç | 10 | TENTHS OF | NO 05 063 |
| * +, | , | `• ~ | | | 16.4 | | | | | | | 1- 1 • • | , F . ' | • | |
| | | | • | • | 11.7 | • | • | | • | • | - | ^ •1 | 7.7 | .7 | |
| | 9 | | - | • | 1 • 7 | | | | | • | | 24.₹ | • | • 7 | |
| | - | | | • | | | | • | • | | | 30.0 | · • | • | |
| | | • | • | • | • | | | , | • | | | *:• ~ | 7.4 | • • | • |
| • | : | | - | • | • | | | | | | | | | • | : |
| | | • | | | | | | | | | | 71. | 15.1 | • " | . • |
| | | • | | | 1 • 3 | • | | | | | | • :• | | . 7 | : |
| | | | | | | | | | | | | | | | |
| | | | | · | | | | | | | | | | | |
| | | | | | · | | | | • | | | | | | |
| | | | | | | | | | | | | | • | • | |
| 101 | | • | | 1 | 17.4 | • | | 1 | 1 | | | : :*• ** | 7.4 | | ٠,٠٠ |

STATION NAME

| PERCENTAGE PREQUENCY OF OCC | COKKENCE |
|-----------------------------|----------|
| (FROM HOURLY OBSERVATIO | NS) |

| | HOURS | | | | | AGE FREQU | ENCY OF TE | NTHS OF | F TOTAL S | | | | MEAN | TOTA. |
|-------|-------|-----|---|---|---------------|-----------|------------|---------|-----------|---|-----------|----------|------------------------|-------------|
| MONTH | L.S.T | 0 | 1 | 2 | 3 | 4 | 5 | | 6 | 7 | · · · · · | 13 | TENTHS OF SKY COVER | NO C Car |
| , | | 1./ | | | 11.7 | | | | | | • • | | • ' | |
| | | 1.1 | | | . <u>.</u> c. | | | | | | . 1 | | • | |
| | - | • ' | | | 1 • 3 | | | | | | . · • * | 7. | | |
| | • | • * | | | 7.1 | | | | | | 4.7 • 1 | 2.5 | • 1 | |
| | 1 | • • | | | 7 | | | | | | 77.7 | 7,4 . 1, | • 1 | |
| | 1 | • ' | | | • : | | | | | | - | | • | |
| , | ÷ | • | | • | • | | | | | | | * * • ! | • • | |
| | • | | | | • | | | | | | | 7.1 | | |
| | | | | | | | | | | | | | | |
| | | | | • | | | | • | | | | | | |
| | | | | | | | | | | | • | | | |
| | | | | • | | | | | | | | | • | |
| TOT | | • | | : | • *- | 1 | ; | ; | • | | | · 1 | | |

SKY COV

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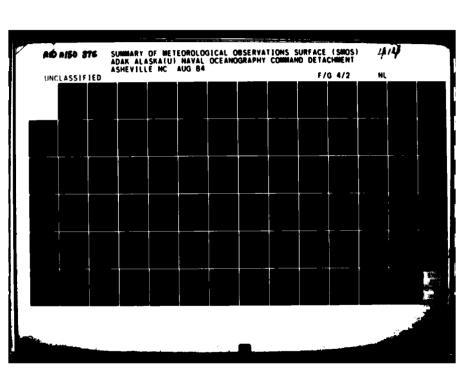
STATION

3

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

| MONTH | HOURS | | | | | | | | | REQUENCY | | TOTAL SE | | R | | | | MEAN TO |
|-------|-------|---|-----|---|---|---|---|--------|---|----------|---|----------|---|---|---|-------------------|-------|---------------------|
| MONIH | 157 | | 0 | | 1 | | 2 | 3 | | | | 6 | 7 | | S | · | •‡ | 34 - 1 7 V E |
| | 1 | | • | | | | | t. • ^ | | | | | | | | * * • | | • |
| | 4 | | • | | | | | 1 . | • | | | • | | | | • • | | • |
| | | | | | | | | ۰۲ | | | | | | | | 7.4 | • | • |
| , | • | • | • | | | | | | • | | | | | | | | | • 3 |
| | 1.1 | | | | | • | | • - | | • | | | | | | .1. | 4 · 1 | • |
| | Ť | | | | | | | - • ° | | | | | | | | • | • | • 7, |
| | ı | | | | | | - | | | | | * | | | | • | • * | • - |
| | | | • ' | | | | | • | | | | | | | | • | | • : |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 101 | Ai,S | ÷ | | ÷ | | | | | | | : | | | | | : 74 •1 | | |





MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS 1963 A

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25704 ADAK, AK

STATION NAME

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM) HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | CY OF TENT | HS OF TOTAL | SKY COVER | | | | MEANL TENTHS OF | TOTAL NO, OF |
|-------|-----------|-----|---|---|-----------|------------|------------|-------------|-----------|---|------|------|--------------------|-----------------|
| MONTH | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | SKY COVER | OBS. |
| . PD | 01 | 1.0 | | | 6.0 | | | | | | 25.3 | 67.7 | 9.2- | 300 |
| | 34 | • 7 | | | 5.3 | | | | | | 22.7 | 71.3 | 9.3, | 300 |
| | 07 | . 7 | | | 3.3 | · | | | | | 31.7 | 64.3 | 9.4 | 300 |
| | 10 | | | | 3.℃ | | | | | | 37.0 | 60.0 | 9.4 | 300 |
| | 13 | | | | 2.3 | | | | | | 35.3 | 62.5 | 9.5 | 300 |
| | 15 | | | | 3.7 | | _ | | | | 35.3 | 61.0 | 9.4 | 300 |
| | 19 | | | | 2.0 | | | | | | 39.0 | 59.0 | 9.5 | 300 |
| | 22 | • 7 | | | 6.0 | | | - | | | 26.7 | 66.7 | 9.2 | 300 |
| | | | | | | | | | | | - | • | | |
| | | | | | | | | | | | | • | | |
| | | | | | | | | | | | | | | |
| 101 | FALS | • 4 | | | 4.0 | | | | | | 31.6 | 64.3 | 9.4 | 2400 |

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STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | CY OF TENTI | HS OF TOTAL | SKY COVER | - | | | MEAN | TOTAL |
|-------|----------|-----|---|---|-----------|------------|-------------|-------------|--|---------------------------------------|------|---------|------------------------|----------------|
| MONTH | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | TENTHS OF SKY COVER | NO. OF OBS. |
| MAY | 01 | • 3 | | | 4.2 | | | | | | 18.7 | 76.8 | 9.5 | 310 |
| | 34 | | | | 2.9 | | | | | | 20.6 | 76.5 | 9.6 | 310 |
| | 27 | | | | 3.2 | | | | | ! | 26.1 | 70.6 | ₹.5 | 315 |
| | 10 | | | | 1.9 | | | ļ | ! | ! ! | 28.4 | 69.7 | 9.6 | 310 |
| | 1.3 | | | | 1.9 | | | | | ļ | 30.3 | 67.7 | 9.6 | 310 |
| | 16 | | | | 2.3 | | | | | i i 1 | 33.2 | 64 • 5 | 0.5 | 310 |
| | J à | | | | 2.9 | | | | |) | 31.3 | 65.8 | 9.5 | 310 |
| | 72 | | | | 3.2 | | | | | | 24.5 | 71.9 | 9.5 | 310 |
| | | | | | | | ļ | | | | | - | • • | |
| | | | | | | | | | ļ | : | ļ | + | • | |
| | | | | | | | | | <u>. </u> | · · · · · · · · · · · · · · · · · · · | į | · | ; , | |
| | | | | | | | | | : | | | : 1. | • | |
| TO | TALS | . 1 | | | 2.8 | | | | | | 26.7 | 70.4 | 9.5 | 2480 |

25704 ADAK, AK

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JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | Y OF TENT | HS OF TOTAL | SKY COVER | | | | MEAN TENTHS OF | TOTAL NO. OF |
|-------|-----------|-----|---|---|-----------|------------|-----------|-------------|-----------|---|----------|------|-------------------|------------------|
| MONTH | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | SKY COVER | OBS. |
| JUN | 01 | •7 | | | 3.7 | | | | | | 8.3 | 37.3 | 9.6 | 300 |
| | 54 | | | | 1.7 | | | | | | 10.7 | 67.7 | 9.8 | 370 |
| | 37 | | i | | 1.3 | ····· | | | | | 13.3 | 85.3 | 9,8 | 300 |
| | 10 | | | | 2.3 | | | | | | 18.0 | 79.7 | 9.7 | 300 |
| | 13 | | · | | 2.0 | | | | | | 26.3 | 68.7 | 9.4 | 300 |
| | 16 | • 3 | | | 3.7 | | <u> </u> | | | | 31.3 | 64.7 | 9.4 | 300 |
| | 19 | | | | 4.0 | | | | | | 22.0 | 74.0 | 9.5 | 308 |
| | ?2 | • 3 | | | 1.3 | | | | | | 12.7 | 85.7 | 9.7 | 300 |
| | | | | | | | | | | | | | • | |
| | | | | ļ | | | | | | | | | | · |
| | | | | | | | | | | ļ | <u> </u> | | | |
| | | | | | | | | | | | | | • | |
| | TALS | •.7 | | | 2.9 | | | | | | 17.8 | 79.1 | 9.6 | 2400 |

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73-92

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | CY OF TENTI | HS OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|-----|---|--------|-----------|-------------|-------------|-------------|-----------|------|------|------|------------------------|----------------|
| HTMOM | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | TENTHS OF SKY COVER | NO. OF OBS. |
| JUL | 01 | 1.0 | | - | 3.5 | | | | | | 9.4 | 86.1 | 9.6 | 310 |
| · | 04 | • 3 | | | 2.9 | | | | | | 11.3 | 85.5 | 9.7 | 313 |
| | 07 | | | ! | 2.9 | | | | <u> </u> | | 13.5 | 83.5 | 9.7 | 310 |
| | 10 | | | | 3.9 | | | | | | 20.6 | 75.5 | 9.5. | 310 |
| | 13 | | | ļ Ļ | 5 • 2 | | | | | | 27.1 | 67.7 | 9.4 | 310 |
| | 16 | | | | 4 . A | | | | | | 27.4 | 67.7 | 9.4 | 310 |
| | 19 | • 3 | | | 2.6 | | | | | | 22.9 | 74.2 | 9.6 | 310 |
| | 22 | •6 | | | 2.3 | | | | | ļ | 14.2 | 12.9 | 9.6 | 310 |
| | | | | | | | | | | | | | • | |
| | | | | | | | | | | | | | | |
| | | | | ļ | | | | | | | | | • | |
| | | | | l | | | | | | | | | | |
| 101 | ALS | • 3 | | | 3.5 | | | | | | 18.3 | 77.9 | 9.6 | 2480 |

25704 ADAK, AK

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAC | E FREQUENC | CY OF TENTI | IS OF TOTAL | SKY COVER | | | | MEAN TENTHS OF | TOTAL NO. OF |
|---------|----------|-----|---------------------------------------|---|-----------|------------|-------------|--------------|-----------|---|------|------|-------------------|-----------------|
| MONTH | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | SKY COVER | OB\$. |
| AUG | 71 | • 6 | | | 3.9 | | | | | | 10.0 | 85.5 | 0.6 | . 310 |
| | D4 | • 3 | | | 3.2 | | | | | | 11.9 | 84.5 | ٥.6 | 310 |
| | D7 | | | | 1.6 | | | | | | 17.1 | 81.3 | 0.7 | 316 |
| <u></u> | 10 | | | | 4 . 5 | | | | | | 19.7 | 75.8 | 9.5 | 310 |
| | 13 | | | | 2.9 | | | | | | 25.2 | 71.9 | 9.5 | 316 |
| | 16 | .6 | | | 4.2 | | | ļ | | | 21.3 | 73.9 | 9.4 | • 310 |
| | 19 | • 3 | · · · · · · · · · · · · · · · · · · · | | 3.2 | | | | | | 18.1 | 78.4 | 7.6 | 310 |
| | ?2 | • 3 | | | 3.5 | | | - | - | | 10.6 | 85.5 | 9.6 | 310 |
| | | | | | | | | | | | | | | <u> </u> |
| | | | | | | | | | | | | | | • |
| | | | | | | | | | | | | | | |
| 10 | TALS | • 3 | | | 3.4 | | | | | | 16.7 | 79.6 | 9.6 | 2480 |

25704 ADAK, AK

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STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | | PERCENTAG | E FREQUENC | Y OF TENT | HS OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|-----|-------------|---|-----------|------------|-----------|-------------|-----------|---|--------|----------|------------------------|----------------|
| MONIH | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | TENTHS OF SKY COVER | NO. OF OBS. |
| SEP | 01 | 1.3 | | | 10.7 | | | | | | 23.7 | 64.3 | 8.9 | 300 |
| | 04 | 1.7 | | | 11.0 | | | | | | 22.0 | 65.3 | 8.8 | 300 |
| | 07 | | | | 7.7 | | | | | | 30 • 7 | 61.7 | 9.2 | -300 |
| | 10 | | | | 5.3 | | | | | | 31.7 | 63.0 | 9.3 | 300 |
| | 13 | | | | 5.7 | | | | | | 35.7 | 58.7 | 9.2 | 300 |
| | 16 | | | | 7.3 | | | | | | 37.3 | 55.3 | 9.1 | .370 |
| | 19 | | | | 6.7 | | | | | | 34.7 | 58.7 | 9.? | 300 |
| | ?2 | 1.3 | | | 9.0 | | | | | | 25.7 | 64.0 | 9.0 | 300 |
| | | | | - | | | | | | | | <u> </u> | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TO1 | TALS | . 5 | | | 7.0 | | | | | | 30.2 | 61.4 | 9.1 | 2400 |

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ADAK, AK

STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | | PERCENTAG | E FREQUENC | CY OF TENTI | IS OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|-----|---|--|-----------|---------------------------------------|-------------|-------------|-----------|-------|------|--------|------------------------|----------------|
| MUNIN | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | TENTHS OF SKY COVER | NO. OF OBS. |
| CT | 01 | •6 | | | 15.2 | | | | | | 30.0 | 54.2 | 8.6 | 310 |
| | 54 | 1.6 | | | 15.2 | | | | | | 25.5 | 57.7 | 8.5 | 310 |
| | 67 | | | | 9.4 | | | | | | 39.4 | 51.3 | 9.0 | 310 |
| | 16 | | | | 7.7 | | | | | | 39.0 | 53.2 | 9.1 | 310 |
| | 13 | | | | 5.5 | | | | | | 44.5 | 50.0 | 9.2 | 5 10 |
| | 16 | ļ | | | 6.1 | | | | ļ | ļ | 45.2 | 48.7 | 9.1 | 315 |
| | 19 | | | | 11.9 | | | | | | 39.7 | 48.4 | * . 8 | 310 |
| | 22 | | | | 11.9 | | | | | | 35.5 | 52.6 | A . 8 | 34.0 |
| | | | | | | | | | | | | | | • |
| | | | | | | | | | | | | | | |
| tot | ALS | • 3 | | | 10.4 | · · · · · · · · · · · · · · · · · · · | | | | | 37.4 | 52 · G | 8.9 | 2480 |

25704 ADAK, AK

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10 A

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

| | HOURS | | | | PERCENTAG | E FREQUENC | Y OF TENTI | IS OF TOTAL | SKY COVER | | | | MEAN TENTHS OF | TOTAL NO. OF |
|-------|----------|-----|---|---|-----------|-------------|------------|-------------|-----------|---|------|--------------|-------------------|-----------------|
| MONTH | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | SKY COVER | OBS. |
| NOV | 21 | 1.3 | | | 12.7 | | | | | | 36.7 | 49.3 | ۶.6 | 300 |
| | 04 | 1.0 | | | 15.7 | | | | | | 31.0 | 51.3 | 8 • 4 | 350 |
| | 70 | 1.7 | | | 14.7 | | | | ļ | | 33.0 | 50.7 | 8.5 | 300 |
| | 10 | | | | 7.3 | l | | | | | 47.7 | 45.0 | 9.0 | 300 |
| | 13 | | | | a.r | · | | | | } | 41.0 | 51.0 | 9.0 | 3.90 |
| | 16 | | | | 7.3 | | | | | | 41.0 | 51.7 | 9.1 | 300 |
| | 19 | • 3 | | | 12.0 | | | | | | 35.3 | 52.3 | 8.8 | 320 |
| | 22 | 1.7 | | | 11.0 | | | | | | 39.0 | 48.3 | 8.7 | 370 |
| | | | | | | | | | | | - | | | |
| | | | | | | | | | | | | | | |
| 101 | TALS | . 2 | | | 11.2 | | | | | | 38.1 | 50.0 | 8.8 | 2402 |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | | PERCENTAG | E FREQUENC | Y OF TENTH | IS OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|-------|-------|-------------------|-----------|-----------------|------------|-------------|-----------|----------|------|--------------|------------------------|----------------|
| MONIN | (L.S.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | TENTHS OF SKY COVER | NO. OF OBS. |
| GFC | 71 | 2 • 3 | , .v. | | 13.2 | | | | | | 29.1 | 56.5 | •6 | 310 |
| | F-4 | 1.5 | | | 12.3 | | | | | | 29.7 | 56.5 | 6.7 | 710 |
| | 27 | 1.6 | | | 15.2 | | | | | | 25.2 | 58.1 | P.5 | 310 |
| ~ | 17 | • 3 | | | 5.5 | | | | | 1 | 40.3 | 53.5 | 9.2 | 310 |
| | 13 | | | | 6.8 | | | | | ! | 37.2 | 56.0 | 6.2 | 309 |
| | 1 t. | | | \ | 5.8 | ·——- | | | | | 37.2 | 55.0 | 9.2 | 309 |
| | 19 | | | | 12.3 | . _ | | | | i | 30.7 | 57.0 | P • 8 | 305 |
| | 2.2 | 2.3 | | | 13.9 | | | | | | 25.2 | 58.6 | 5.5 | 309 |
| | | | | \ | | | | | | | - | <u>:</u> | <u> </u> | |
| | | | | | - | | | | | <u> </u> | + | ļ | | |
| | | | | | - | | | | | | | | | |
| TOT | ALS | 1.0 | | | 10.7 | | | | | | 32.7 | | 0.8 | 2476 |

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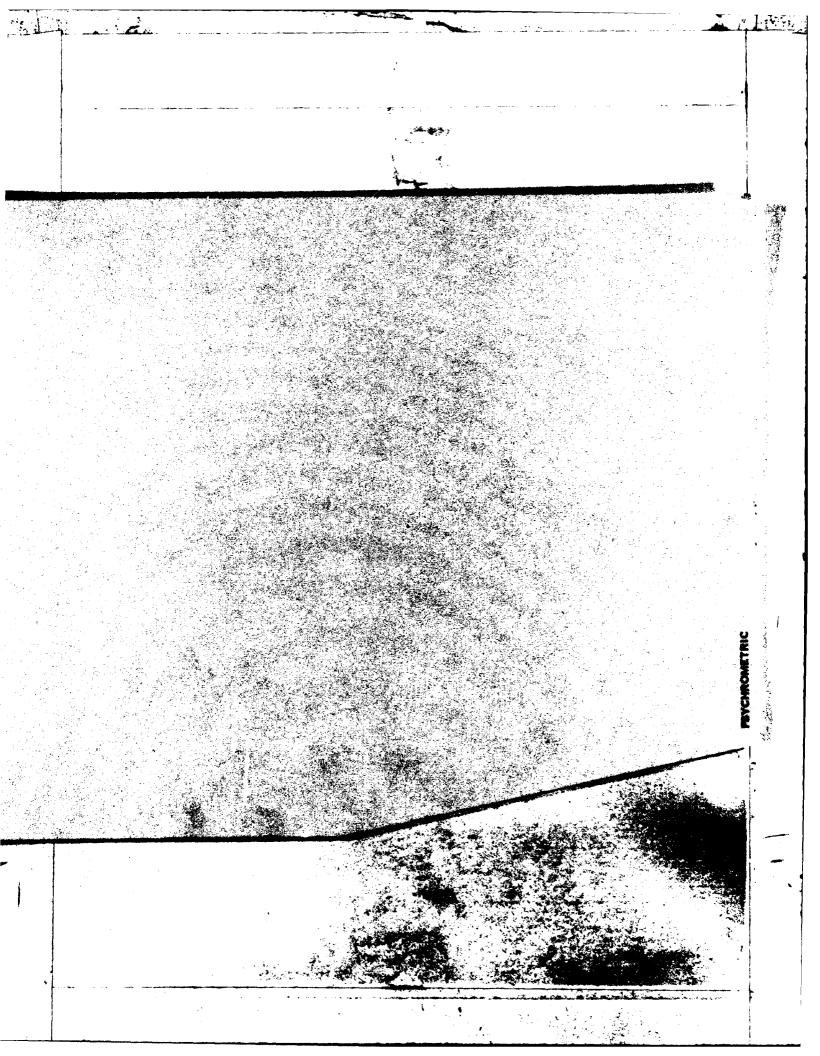
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ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | | PERCENTAC | E FREQUEN | Y OF TENT | HS OF TOTAL | SKY COVER | | | | MEAN TENTHS OF | TOTAL |
|-------|-----------|-----|-----------|---|-----------|-----------|-----------|-------------|-----------|--------|--------|------|-------------------|----------------|
| MONIH | (£.\$.T.) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | SKY COVER | NO. OF OBS. |
| JAN | ALL | • * | · · · - · | | 11.4 | | | <u></u> | | | 30.0 | 57.8 | c . p | 2476 |
| FEB | ! | ٠,٦ | | | 8.6 | | | | | | 32.4 | 58.3 | 9.3 | 2256 |
| MAR | ! | •? | | | 6.1 | | | <u> </u> | | ļ | 34.1 | 50.6 | 9.2 | 2490 |
| ė PP | <u></u> | • # | | | 4.0 | | | | | ! ! | 31.6 | 64.0 | 9.4 | 2470 |
| # A Y | | • ? | | | 2.8 | | | | | ! | 26.7 | 70.4 | 0.5 | 2490 |
| JUN | | • 2 | | | 2.9 | | | | İ | i • | 17.8 | 79.1 | 7.5 | 2400 |
| JIIL | | • 3 | | | 3.5 | | | | | i | 18.3 | 77.9 | 9.6 | 2480 |
| 2113 | | • 3 | · | | 3.4 | | | | | | 16.7 | 79.6 | 9.6 | 248 |
| SEP | <u> </u> | • 5 | | | 7.9 | | | <u></u> | | | 30 • 2 | 61.4 | 9.1 | 2470 |
| CCT | : | • 3 | | | 10.4 | | | | | | 37.4 | 52.0 | 5.9 | 2490 |
| NOV | - | • 8 | | | 11.2 | | | | | | 38.1 | 50.0 | 9.8 | 2400 |
| DFC | <u> </u> | 1.0 | | | 10.7 | | | | | | 32.0 | 56.4 | 8.8 | 2476 |
| TO | TALS | • 5 | | | 6.9 | | | | | | 28.8 | 63.9 | 7.2 | 29208 |



NOCD, Federal Building Asheville, N. C.

1.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
- 2. Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month it all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature

NOTE: A supplementary list also provides extreme temperatures

. Extreme minimum temperature when less than a full month is reported.

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

 This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread norizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means $(\overline{\chi})$, and standard deviations (σx) . The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.
 - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature

G.

- b. Wet-bulb temperature
- c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

igreentage frequency of occurrence of dry-full temperature versus wind direction - This tabulation is berived from hourly diservations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry cult temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

| 2 | 26.5 75.8 | 3.5 | . & 5 . 6 | •1 | • k • 3 • 1• 5 | 1 • 2 1 • 2 7 • 3 | 2.6 9.9 | 1 1 1 4 4 | • 2 | | | | • |
|---|--|---------------|--------------|-----------|----------------------|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------|-------------|-------------------------------------|---|
| = 5 ≥ 7 ≥ 5 ≥ 4 | | 3.5 | | | 1.5 | 1.2 | | 4.4 | | | | | |
| | | 3.5 | | | 1.5 | 1.2 | | 4.4 | | | | | |
| 7.5 4.5 | | 3.5 | | | 1.5 | 1.2 | | | | | | | |
| \(\frac{1}{2} \) | | 3.5 | | | 1.5 | | | 16.1 | 1.9 | • 2 | | | |
| ≥ 4 · · · · · · · · · · · · · · · · · · | | 3.5 | | | | | 35.5 | 56.9 | 23.3 | 2.4 | . 7 | · · · · · · · · · · · · · · · · · · | 1 • |
| <u>4</u> | | 3.5 | | | | 40.1 | 34.0 | 97.1 | | | 3.7 | - <u>• l</u> | |
| E | | | | 30 3 | 8.5 | | | | 50.6 | 23.5 | | | |
| | | | | 18.3 | <u>5 • 7</u> | . 91. | 99.8 | 100.0 | e9.6 | 76.8 | 19.8 | 5.7 | 47.5 |
| <u> </u> | 1 | _ ??•3. | 45.1 | 73.5. | 96.1 | 100.U | 100.0 | | 130.0 | | 66.3 | 32.3 | 77.1 |
| | | 72.6 | 28.5 | 07.2 | 99.5 | · | | | · | 100.0 | 95.4 | 80.2 | 92.6 |
| <u> </u> | <u>. 15.6</u> , | 76. | | 100.0 | 100.0 | | | | | | 100.0 | 99.1 | 77.7 |
| <u> </u> | 1 2.0 | 99.6 | 1 0.0 | | <u> </u> | · · | | | | | | 100.0 | 107.0 |
| <u> </u> | <u> </u> | 170. | | | | | | | | | | | 100.0 |
| <u> </u> | | | | | | | | | | | | | |
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| MEAN | | 36. | ₹2.इ | 41. | 44.0 | | 53.7 | 55.8 | 52.2 | 44.7 | 41.1 | 37.5 | 44.7 |
| S. D. | 4.1- | 4.077 | 7,977 | 3.375 | | 3.728 | 4.385 | 4.289 | 3.243 | | 4.100 | 3.992 | 7.569 |
| TOTAL OBS. | 4.1 1 | 976 | 10:3 | 3 • 3 · 3 | 1327 | 200 | 1023 | 1023 | 990 | 992 | 975 | 1023 | 11964 |

G.

DAILY TEMPERATURES

A 4, 9 SK CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM DAILY OBSERVATIONS) 79.7

98.4

9.7

29.9

100.0 100.0

27.6 100.8 170.8

97.9 99.9 120.0 103.0 87.7 97.6 99.9 98.4 99.9 1 0.0 99.9 120.0

7.414 3.138 2.645 7.3 4 3.356 3.681 4.165 4.772 5. D. TOTAL OBS.

G. .

DAILY TEMPERATURES

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

| | | | | | , | | | SERVATION | | | | . — — . | <u>. </u> | |
|------------|------------|----------------------|--|-----------------------------|---|-------|--------|-----------|--------------|-------|--------------|---------|--|--------------|
| | TEMP (°F) | JAN. | FEB. | MAR | APR | MAY | JUN. | JUL. | AUG. | SEP | OCT. | NOV. | DEC | ANNUAL |
| • | ? E. | ļ | · · · - · - · · · · | | | • | | | <u>•</u> .`. | | + | | | • |
| <u> </u> | | <u> </u> | | | | | | 1.4 | 2.6 | • 1 | | | | . 4 |
| <u> </u> | <u>- 5</u> | 4 | | | | | 1. | 3.4 | 15.4 | 1.9 | . 1 | | | ? |
| | | 1 | | | | • 7. | 5.7 | 41. | 71.7 | 31.° | 2.5 | | | 1.1 |
| ≥ _ | 4 1 | | • 1 | • 1 | 1.0 | 10.7 | 56.0 | 96.1 | 99.7 | 91.8 | 31,4 | 4 | .6 | 33. |
| ≥ | is | 1 2 | 5.3 | 8.8 | 26.7 | 69.1 | 99.0 | 190.0 | 100.0 | 99.8 | 82.3 | 29.4 | 1' . 4 | 57.8 |
| ≥ | ₹. | 45.3 | 38.9 | 58.2 | R4,7 | 99.2 | 100.0 | | | 100.0 | 99.1 | 70.4 | 50.4 | 79 |
| <u> </u> | 35 | 3.3 | 79.8 | 21.2 | 79.4 | 170.0 | | | | | 100.0 | 77.3 | 65.4 | 94.6 |
| <u> </u> | 25 | 6.2 | 94.9 | 99.4 | | | | | • | | | 99.9 | 3.90 | 99.1 |
| | 5. | 19.7 | | 100.0 | | • • • | | | | | | ำกว้.เ | 69.9 | 170.0 |
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| | MEAN | - | 37. | 34.7 | 37.4 | 11. | 41.1 | 40.4 | 31.5 | 49.3 | 42.8 | 77.3 | 34.3 | 40.7 |
| | S. D. | 4.76 | 4 . 5 7 1 | 3.745 | 3.117 | 2.840 | 2.716 | 3.387 | | | 3.552 | 4.018 | 4.333 | 7.304 |
| | TOTAL OBS. | 50 | 9.1 | 1523 | 3 - 11 / | 1651 | 990 | 1023 | | 990 | | 975 | 1023 | 11764 |
| | IOIAL OBS. | | 7.11 | 1073 | 770 | AUZ 1 | 7 7 10 | 10.63 | 1023 | 790 | 776 | 717 | 1052 | 44104 |

G.

DAILY AVERAGE/EXTREME TEMPERATURES

 1774
 1 % % 4K
 19657-1780
 1962-1992
 JULY

 STATION
 STATION NAME
 YEARS
 MONTH

| | MEAN T | EMP | | | AXIMUM TE | MP | | ····· | | MINIMUM TE | MP | |
|---------|--------|------------|----------------|-------|-----------|-------|-------|--------|-------|------------|--------------|--------|
| l f | AVERA | AGE . | AVERA | GE | EXTR | EME | | AVERAG | E | EXTRE | ME | |
| DAY | - F | °C | °F | °c | °F | °c | DATE | °F | °c | ٥F | °c | DATE |
| 1 | 3. | . 7 | 37.7 | 7.2 | 4.7 | 8. 7 | 1956 | 28.6 | -1.9 | 11 | -11.7 | 1950 |
| 2 | 3.1 | 1.1 | 35.02 | 3.4 | 45 | 7.7 | 19564 | 29.6 | -1.3 | 15 | -9.4 | 1964 |
| 3 | `• 1 | •5 | 76.8 | 2.7 | 46 | 7.8 | 1967 | 28.9 | -1.7 | 3 | -16.1 | 1953 |
| 4 | 3.1 | • 6 | 77.3 | 2.9 | 47 | 9.4 | 1952 | 28.0 | -1.7 | 13 | -1 - 6 | 1975 |
| 5 | ′3. | . 8 | 77.7 | 2.7 | 4 " | 8.9 | 1957 | 29.7 | -1.3 | 12 | -12.2 | 1975 |
| 6 | '3 • | 1.1 | 37.7 | 3.2 | 4.5 | 7.2 | 19694 | 30.0 | -1.1 | 1 5 | -7.8 | 1962 = |
| 7] | *3.* | . 9 | 37.5 | 3 • 1 | 5 | 10.0 | 1969 | 2૧•€ | -1.2 | 15 | -0.4 | 1967: |
| 8 | '3 • ' | . 9 | 7 . 1 | 3.4 | 46 | 7.8 | 1957 | 29.4 | -1.4 | () | -12.8 | 1967 |
| 9 | 34 • | 1.4 | ₹3.00 | 3.3 | 46 | 7.8 | 1971 | 31.1 | 5 | 17 | - 1.3 | 1962 |
| 10 | ?-• | 1.1 | 37.6 | 3.1 | 47 | 3.3 | 1962 | 37.3 | - , 9 | 13 | -10.6 | 1059 |
| 11 | 76. | 1.1 | 37.5 | 3.1 | 4.7 | 8.9 | 1971 | 3".4 | 9 | 1.3 | -1^.6 | 1958 |
| 12 | 7 | 1.1 | 35.2 | 3.4 | 4 ~ | 8.9 | 1971 | 29.9 | -1.2 | 19 | -7.2 | 1967 |
| 13 | 3 • 1 | •6 | 77.2 | 2.3 | 4 ^ | 3 . 9 | 1957 | 29 . | -1.7 | 13 | -16 | 1951 |
| 14 | • 1 | •4 | 76.6 | 2.5 | 4.7 | 8.7 | 1952 | 29.2 | -1.6 | 15 | -9.4 | 1953 |
| 15 | 3 . 3 | . 7 | 76.9 | 2.7 | 4.3 | 6.1 | 1982* | 29.7 | -1.3 | 17 | - ĉ • 3 | 1953 |
| 16 | .3. | • 6 | 77.1 | 7.3 | 4.5 | 7 . R | 1982 | 29.9 | -1.2 | 21 | -6.1 | 198" |
| 17 | 3. | • 6 | 76.1 | 2 • 3 | 4 7 | 8.3 | 19323 | 30.0 | -1.1 | 1 4 | -7.8 | 198 |
| 18 | .5.4 | | 35.7 | 2.1 | 44 | 6.7 | 1962* | 29.1 | -1.6 | 16 | -9.9 | 1975 |
| 19 | | • 1 | 76.1 | 2 • 3 | 45 | 7.: | 1952 | 28.3 | -2.1 | 6 | -14.4 | 1975 |
| 20 | 2.4 | <u>• 2</u> | 35.7 | 2.2 | 4.5 | 7.2 | 1953 | 29.0 | -1.7 | 1. | -11.1 | 1975 |
| 21 | 12.4 | | J c • 2 | 2.3 | 45 | 7.7 | 1963 | 28.5 | -1.9 | 15 | -7.4 | 1965 |
| 22 | .5.3 | | 36.3 | 2 • 4 | 4.3 | 6.1 | 1969 | 29.7 | -2.1 | 10 | -12.2 | 197 |
| 23 | 2.3 | | 37.3 | 2.3 | 44 | 6.7 | 1968 | 27.6 | -2.4 | 14 | -15.0 | 1957 |
| 24 | *3. | • 3 | 77.7 | 7.3 | 44 | 6.7 | 1969 | 29.2 | -1.5 | 12 | -11-1 | 1965 |
| 25 | 74.1 | 1.2 | ?7.7 | ?.3 | 46 | 7.8 | 1957 | 3 - 3 | 9 | 19 | -7.2 | 1946 |
| 26 | 71, | 1 • 6 | 79.1 | 3.4 | 47 | 9.3 | 1973 | 31.5 | 3 | 18 | -7.8 | 19:0 |
| 27 | 7.,7 | 1.3 | 77.8 | 7.2 | 47 | 8.3 | 1973 | 35.8 | 7 | 13 | -10.6 | 1064 |
| 28 | ?-• | 1.2 | 77.7 | `•3 | 5.7 | 10.7 | 1768 | 30.6 | 8 | 17 | <u>-6•3</u> | 1964 |
| 29 | 7 1 | 1.2 | 77.2 | 2.0 | 4 * | P. 9 | 1760 | 31.0 | 6 | 16 | -:.9 | 197 |
| 30 | | • 4 | *6.2 | 2.3 | 9. | 7.2 | 19.4 | 29.2 | -1.6 | 17 | -8.3 | 1973 |
| 31 | 2.4 | • 2 | 37.4 | 2.4 | 44 | 6.7 | 198 * | 28.4 | -2.0 | 19 | -7.2 | 1975* |
| Monthly | 3 . 4 | <u>• A</u> | *7.2 | 2.9 | 5 | 13.7 | 12600 | 29.6 | -1.3 | 3 | -16.1 | 1963 |

ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

TTTTA CTAY, AN 1957-1782 FEBRUARY

STATION STATION NAME YEARS MONTH

| | MEAN T | EMP | | | AXIMUM TE | MP | | | M | INIMUM TE | MP | |
|---------|--------|-------|--------|-------|-----------|-------|-------|--------|------|-----------|-------------|-------|
| | AVERA | | AVERA | GE | EXTR | ME | | AVERAG | E | EXTR | ME | |
| DAY | ° F | °c | ^ F | °c _ | °F | ° c | DATE | _ °F | °c | °F | °c | DATE |
| 1 | ~1. | 1 | 34.7 | 1.4 | 45 | 7.3 | 1757 | 23.8 | -1.3 | 16 | -8.9 | 196" |
| 2 | 1.1 | 5 | 25.3 | 1.1 | 44 | 5.7 | 1957 | 26.9 | -2.8 | 13 | -1:.6 | 1967 |
| 3 | 71.7 | 1 | 36.3 | 2.3 | 43 | 6.1 | 1957 | 27.6 | -2.4 | 3 | -16.1 | 1954 |
| 4 | 72. | | 37.1 | 2.8 | 5 . | 10.0 | 1969 | 23.7 | -1.5 | 10 | -12.2 | 1967 |
| 5 | 3.1 | • 6 | 35.6 | 2.6 | 4.5 | 7.2 | 1957 | 29.6 | -1.3 | 14 | -10.0 | 1980 |
| 6 | 72. | . 3 | 76.3 | 2.4 | 44 | 6.7 | 1982 | 28 . 8 | -1.8 | 14 | -10.0 | 1964 |
| 7 | 72. | . 4 | 77.4 | 3.7 | 43 | 6.1 | 1982~ | 28.2 | -2.1 | 2 | -13.3 | 1964 |
| 8 | *3.3 | .7 | :7.3 | 2.9 | 45. | 7.9 | 1982 | 29.2 | -1.6 | 11 | -11.7 | 1964 |
| 9 | ?3. | . 9 | 37.4 | 3.0 | 4.7 | 5.6 | 1982# | 29.8 | -1.2 | 16 | - 4 . 9 | 1967 |
| 10 | 73.2 | . 7 | 37.5 | 3.1 | 54 | 12.2 | 1982 | 28.9 | -1.7 | 11 | -11.7 | 1955 |
| 11 | ?2.1 | - 3 | 77.2 | 2.7 | 4 | 8.9 | 1956 | 27.7 | -2.4 | 6_ | -14.4 | 1965 |
| 12 | 3.3 | . 7 | 77.1 | 2 . 9 | 4 4 | 6.7 | 1956 | 29.5 | -1.4 | 19 | -7.2 | 19674 |
| 13 | .3.2 | • 6 | 30.7 | 2.5 | 44 | 6.7 | 1951 | 29.3 | -1.5 | 19 | -7.2 | 1953 |
| 14 | .5.1 | | 36.6 | 2.5 | 4 7 | 6.1 | 1968# | 28.5 | -1.8 | 14 | -1 -0 | 1973 |
| 15 | 2 • [| . 4 | 36.47 | 2.6 | 4: | 7.7 | 1952 | 28.9 | -1.7 | 11 | -11.7 | 1973 |
| 16 | 2.3 | . 2 | 34.6 | 2.4 | 4.3 | 6.1 | 1968 | 28 • 1 | -2.2 | 1_ | -12.2 | 1973 |
| 17 | 2. | | 36.6 | 2.5 | 47 | 8.3 | 1956 | 29.2 | -1.6 | 15 | -9.4 | 1971 |
| 18 | 2.3 | - 1 | 35.5 | 7.5 | 47 | 8.7 | 1956 | 28.0 | -2.2 | 16 | -8.9 | 1971 |
| 19 | 2.1 | 1 | 1, 4 | 2.4 | 47 | 8.3 | 1956 | 27.7 | -2.4 | 15 | -9.4 | 1975 |
| 20 | 2.4 | | ?∱ • 2 | 2.3 | 4.5 | 7.7 | 1955 | 28.6 | -1.9 | 13 | -10.6 | 1971 |
| 21 | 72. | • 9 | 36.2 | 2.1 | 45 | 7.2 | 1957 | 27.9 | -2.3 | 7 | -13,9 | 1971 |
| 22 | 2. | • d | 36.7 | 2.6 | 45 | 7.3 | 1932 | 27.3 | -2.6 | 6 | -14,4 | 1971 |
| 23 | 73.1 | - • 4 | 17.3 | 2.7 | 46 | 7.8 | 1956 | 28.8 | -1.9 | 11 | -11.7 | 198 |
| 24 | 3.1 | . 4 | 77.8 | 7.7 | 4.5 | 7.8 | 1951 | 28.2 | -2.1 | 14 | -10.0 | 1971 |
| 25 | 3. | • 6 | 77.5 | 3.1 | 4 | 2.9 | 1971 | 28.4 | -2.0 | 14 | -10.0 | 1958 |
| 26 | 3.3 | . 1 | 77.5 | 3.1 | 9.7 | 9. | 1955 | 28 • 5 | -1.8 | 17 | -€.3 | 1954 |
| 27 | 73. | . 9 | 7 .1 | 3.4 | 47 | 8 - 3 | 1962 | 29.1 | -1.6 | 12 | -11.1 | 1957 |
| 28 | 3.1 | .7 | 37.4 | 3. | 47 | 8.3 | 1962 | 29.2 | -1.6 | 11 | -11.7 | 1957 |
| 29 | 71.01 | 1 | 35.7 | 2.2 | 43 | 5 - 1 | 198 | 27.2 | -2.7 | 21 | -6.1 | 1914 |
| 30 | | | | | | | | | | | | |
| 31 | | I | | | | | | | | | L | |
| Monthly | 72.7 | - 4 | ₹6.8 | 2.7 | 54 | 12.7 | 1982 | 28.6 | -1.9 | 3 | -16.1 | 1964 |

*ALSO ON EARLIER YEARS

G.

DAILY AVERAGE/EXTREME TEMPERATURES

TOU ATALLAR 195 -1982 MATCH

| | MEAN T | EMP | | М | IAXIMUM TE | MP | | | | MINIMUM TE | MP | |
|------------|--------|-------|----------|-------|------------|--------|--------|---------|------|------------|-------|--------|
| ľ | AVERA | GE | AVERA | GE | EXTR | EME | | AVERA | 3E | EXTR | EME | |
| DAY | ۰F | °c | °F | °c | °F | ° c | DATE | °F | °c | °F | °c | DATE |
| 1 | *3 • * | 1.0 | 33.0 | 7 . 3 | 47 | 8.3 | 1974 | 29.7 | -1.3 | 17 | -8.3 | 1063 |
| 2 | 34. | 1.1 | 36.06 | 3.7 | 47 | 8.3 | 1982 | 23.3 | -1.5 | 13 | -10.6 | 1959 |
| 3 | 34.0 | 1.2 | 39.5 | 4.2 | 4.7 | 8.3 | 1982 | 28.9 | -1.7 | 15 | -0.4 | 1959 |
| 4 | 34.3 | 1.3 | 38.6 | 7.7 | 47 | 8.3 | 1982 | 29.9 | -1.2 | 15 | -7.8 | 1967 |
| 5 | 34.5 | 1.4 | 34.9 | 3 • 9 | 4.5 | 8.9 | 1966 | 3^.2 | -1.5 | 19 | -7.2 | 1967 |
| 6 | 74 | 1.6 | 38.7 | 3.7 | 51 | 10.6 | 1982 | 31. | 6 | 20 | -6.7 | 1979 |
| 7 | ₹ 1, . | 1.6 | 3 8 | 3.8 | 51 | 10.6 | 1982 | 31.7 | 6 | 19 | -7.2 | 1979 |
| 8 | 34.3 | 1.3 | 3 % . 4 | 3.5 | 51 | 10.6 | 1967 | 30.2 | -1.0 | 14 | -10.C | 1978 |
| 9 | '3. | 1.1 | 77.9 | 3.3 | 4 / | 5.7 | 1967 | 29.9 | -1.2 | 20 | -6.7 | 1975 |
| 10 | ?3.7 | . 9 | 30.1 | 3.4 | 43 | 6.1 | 1982 | 27.3 | -1.5 | 17 | -8.3 | 197- |
| 11 | 24. | 1 • 1 | 3 . 6 | 3.7 | 4 3 | 3.9 | 1964 | 29.5 | -1.4 | 13 | -10.6 | 1971 |
| 12 | 34 • 3 | 1.3 | 30.1 | 3.4 | 4 ° | 3.9 | 1967 | 37.5 | 8 | 21 | -6.1 | 1979 - |
| 13 | 34 • | 1 - 4 | 32.5 | 3.6 | 4.5 | 7.7 | 198 | 30.7 | 7 | 19 | 2 | 1971 |
| 14 | 3. | 1.1 | 3 . 3 | 3.5 | 47 | 3.3 | 1962 | 29.5 | -1.4 | 16 | -F.9 | 1973 - |
| 15 | 34 . 4 | 1.3 | 3 9 | 7.8 | 46 | 7.8 | 1982 | 3 ° • C | -1.1 | 2.0 | -6.7 | 1941 |
| 16 | 74. | 1.3 | 3 - 5 | 3.5 | 46 | 7.8 | 1967 | 37.2 | -1.0 | د 1 | -7.8 | 1961 |
| 17 | 7. | 1.7 | 79.0 | 3.≎ | 44 | 6.7 | 1966 | 30.0 | 5 | 2 | -6.7 | 1971 |
| 18 | 7.4 | 1.8 | 79.1 | 3.7 | 50 | 10.0 | 1973 | 31.4 | 3 | 1 f | -7.8 | 1972 |
| 19 | 7 5 | 1.4 | 3 • 5 | 3.6 | 44 | 6.7 | 1967 | 30.5 | 8 | 2+ | -4.4 | 1971 |
| 20 | 74. | 1.6 | 79.3 | 4 - 1 | 47 | 8 • 3 | 1982* | | 9 | 20 | -6.7 | 1972 |
| 21 | ₹4.4 | 1.3 | 34.8 | 3.8 | 4 | 7.2 | 1982 | 371.1 | -1.1 | 1.8 | -7.8 | 1972 |
| 22 | 7' • 1 | 1.7 | 39.5 | 4.7 | 4" | 7.2 | 1964 2 | 37.7 | 7 | 1 - | -7.8 | 19 |
| 2 3 | 3 • 6 | 2.0 | 37.8 | 4 • 3 | 4.5 | 7.2 | 1969 | 31.3 | 4 | 23 | -5.5 | 1975 |
| 24 | ₹5.6 | 2.0 | 7 7 . 4 | 4.1 | 47 | 8. | 1965 | 31 • A | 1 | 15 | -9.4 | 1975 |
| 25 | 7 . 2 | 1.8 | 79.02 | 4.0 | 4 6 | 7.B | 1962 | 31.2 | -, 4 | 21 | -6.1 | 16779 |
| 26 | 71:0 | 1.6 | 33.9 | ₹.≎ | 4 4 | 8.7 | 1982 | 30 • € | 7 | 21 | -6.1 | 1968 |
| 27 | ۰، 2 | 1.5 | ₹4.3 | 4.1 | 46 | 7 . P. | 1965 | 31.1 | 5 | 21 | -6.1 | 1972 |
| 28 | ₹1.5 | 1.9 | 39.5 | 4.2 | 4 ° | 8.9 | 1969 | 31.4 | 3 | 17 | -8.3 | 1975 |
| 29 | 7: .4 | 1.9 | \$ 9 · 5 | 4.7 | 47 | 8.3 | 1971- | 31.5 | 3 | 2.3 | -5.9 | 1975 |
| 30 | 7 | 1.7 | 34.6 | 4.2 | 5 7 | 13.9 | 1982 | 30.4 | 9 | 21 | -6.1 | 1973 |
| 31 | 3′.6 | 2.5 | 37.7 | 4.3 | 55 | 12.2 | 1982 | 31.5 | 3 | 21 | -6.1 | 1975 |
| Monthly | 34 | 1.5 | 38.9 | 3 . A | 5.7 | 13.7 | 1982 | 37.5 | 8 | 13 | -10.6 | 1971 |

*ALSO ON EARLIER YEARS

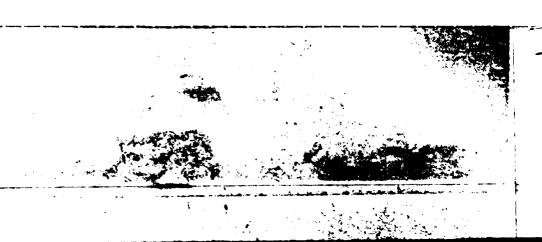
G. .

DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME 195 +1982 APPTL
STATION STATION NAME YEARS MONTH

| | MEAN T | EMP | | M | AXIMUM TE | MP | | | N | IINIMUM TER | MP | |
|---------|----------|-----|----------------|----------|------------|-------|---------|--------|----------|---------------|--------|-------|
| ! ! | AVERA | GE | AVERA | GE | EXTR | ME | | AVERAG | E | EXTRE | ME | |
| DAY | ° F | °c | °F | °C | °F | ° c | DATE | °F | °c | °F | °с | DATE |
| 1 | 31.5 | 1.9 | • 2 | 4.0 | 44 | 6.7 | 1962 | 31.7 | 3 | 76 | -3.3 | 1966 |
| 2 | 25. | 2.2 | 79.9 | 4.3 | 4 | 8.9 | 1982 | 32.1 | • 1 | 24 | -4.4 | 1971n |
| 3 | 76.3 | 2.4 | 4 5 | 4.7 | 4, | 3.7 | 1969 | 27.1 | • 1 | 24 | -4.4 | 1966 |
| 4 | 7t • 7 | 2.5 | 4 5 | 4.7 | 4.7 | 8. 3 | 1931 | 32.5 | . 3 | 72 | -5 · 6 | 1968 |
| 5 | 7 | 2.2 | 3 9 . 9 | 4 . 4 | 4 - | 7.2 | 1973 | 2.00 | | 24 | -4.4 | 19769 |
| 6 | . 4 | 2.4 | 90.5 | 4.7 | 4.7 | 3.3 | 1981 | 32.4 | • ? | ?6 | -3.3 | 1765 |
| 7 | <u> </u> | 2.8 | 41.4 | 5.2 | 4: | 8.9 | 1982 × | 32.6 | , 3 | 23 | -5.5 | 1971 |
| 8 | ٠٤. | 2.7 | 40.8 | 4.5 | 51 | 10.6 | 1967 | 32.9 | . 5 | 2.3 | -5.C | 1976 |
| 9 | . 1 | 2.9 | 41.2 | 5 . 1 | 4 a | P . 9 | 1972 | 32.9 | . 5 | 27 | -2.8 | 1966 |
| 10 | 37.0 | 3.1 | 42.0 | 5.6 | 50 | 10.0 | 1972 | 33.0 | . 6 | 25 | -3.9 | 1977 |
| 11 | 76. | 2.7 | 41.3 | 5 • 2 | 50 | 10.7 | 1982 | 32.5 | • .3 | 22 | -5.6 | 1976 |
| 12 | 76. | 2.7 | +0.5 | 4.7 | 47 | 8.3 | 1982 | 33.2 | . 7 | 76 | -3.3 | 1077 |
| 13 | .7.4 | 3.7 | :1.5 | 5.3 | 40 | 7.4 | 1982 | 33.4 | - 8 | 25 | -3.9 | 1971 |
| 14 | 77.3 | 2.9 | 41.3 | 5.0 | 4 4 | 7.8 | 1970 | 33.1 | - 6 | 22 | -5.6 | 1971 |
| 15 | 75. | 2.7 | 41.2 | 5 . 1 | 47 | 8. T | 1959 | 32.4 | • 2 | 26 | -3.3 | 1977 |
| 16 | | 2.4 | 40.2 | 4.6 | 4.5 | 7.9 | 19327 | 32.6 | • 3 | 24 | -4.4 | 1976 |
| 17 | 7. | 2.4 | 41.1 | 5 . 1 | ♦ 6 | 7 - 1 | 1978 | 32.8 | . 4 | .23 | -2.2 | 1971 |
| 18 | ??.5 | 3.1 | 41.9 | 5.5 | 5 | 13.4 | 1965 | 33.1 | • 6 | 27 | -2.8 | 1952 |
| 19 | ?7. | 3.3 | 41.8 | 5.4 | 5.2 | | 1965 | 33.9 | 1.1 | 26 | -3.3 | 1964 |
| 20 | 7. | 3.1 | 42.3 | 5.7 | 56 | 13.3 | 1962 | 33.4 | • 8 | 21 | -6.1 | 1964 |
| 21 | | 3.6 | •3• q | 6.1 | <u>50</u> | 10.9 | 1982 | 33.9 | 1.1 | 26 | -3.3 | 195 |
| 22 | | 3.6 | 42.9 | 6.7 | 50 | 10.3 | 1961 | 33.9 | 1.1 | 27 | -2.8 | 196 |
| 23 | | 3.5 | 42.7 | 5.9 | 51 | 10.4 | 1 7 6 2 | 33.9 | 1.1 | 25 | -3.9 | 106 |
| 24 | 7 | 3.1 | 42.8 | 6.1 | 53 | 11.7 | 1967 | 34.6 | 1.4 | 29 | -1.7 | 1972 |
| 25 | -7. | 3.1 | 41.7 | 5.5 | 40 | 9.4 | 1967 | 33.9 | 1.1 | 29 | -1.7 | 19714 |
| 26 | 7.4 | 3.6 | 43.1 | 5.3 | 5.3 | 11.7 | 1961 | 33.9 | 1.1 | 2 ¢ | -2.2 | 1971: |
| 27 | 3 . 4 | 3.1 | 42.7 | . | 4.5 | 8.9 | 1071 | 34.5 | 1.4 | 30 | -1.1 | 19760 |
| 28 | 7:.7 | 3.1 | 42.8 | 6.1 | 51 | 1:-6 | 1981 | 34.5 | 1.4 | 77 | -2.8 | 1979 |
| 29 | - 4 | 3.8 | 43.2 | 6.3 | 51 | 10.4 | 1782 | 34.5 | 1.4 | 24 | -4,4 | 1979 |
| 30 | - 1 | 3.4 | 42.4 | 5.9 | 50 | 10.0 | 1966 | 33.8 | 1.1 | 26 | -3.3 | 1972 |
| 31 | | | | | | | | | <u>-</u> | + | | 454 |
| Monthly | 77.4 | 3.0 | 41.5 | 5.1 | 56 | 13.1 | 1062 | 33.2 | . 7 | 21 | -6 - 1 | 1964 |

ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERATURES

774 2 Ar., AM 195 -1982 STATION NAME YEARS MONTH

| | MEAN TE | MP | | M | AXIMUM TE | MP | | MINIMUM TEMP | | | | | |
|---------|-------------|-------|--------|-------|-----------|------|--------|--------------|-------|-------|------|-------|--|
| - | AVERAC | S.F. | AVERAC | GE | EXTRE | ME | | AVERAG | E | EXTRE | ME | | |
| DAY | ° F | °C | ° F | °C | °F | ° C | DATE | °F | °c | ۴ | °C | DATE | |
| 1 | • 1 | 3.4 | 42.5 | 5.3 | 43 | 9.4 | 1981 | 33.7 | . 9 | 2 r. | -3.0 | 1943 | |
| 2 | | 3.5 | 42.6 | 5.9 | 53 | 11.7 | 1952 | 34.1 | 1.2 | ?2 | -5.6 | 1971 | |
| 3 | . 4 | 3.6 | 43.D | 6.1 | 5 3 | 14.4 | 1952 | 33.9 | 1.1 | 2 : | -6.7 | 1971 | |
| 4 | . ? | 4 - 3 | 43.7 | 6.5 | 57 | 13.7 | 1952 | 35.6 | 2 ₀ ි | 27 | -2.5 | 1971 | |
| 5 | 7 . 7 | 4 - 3 | 44.5 | 6.7 | 54 | 12.2 | 1952 | 35.3 | 1.8 | 76 | -3.3 | 1971 | |
| 6 | ₹ | 4.2 | 43.5 | 6.4 | 4 ' | 8.9 | 1991 2 | 35.6 | 2 • C | 56 | -3.3 | 1971 | |
| 7 | • | 4.6 | -4.5 | 6.9 | 50 | 10.0 | 1982 | 35.5 | 2.2 | 5 9 | -2.2 | 1955 | |
| 8 | • 4 | 4 • 3 | 44.2 | 6.2 | 5 | 10. | 1968 | 35.4 | 1.9 | ? ? | -1.7 | 1954 | |
| 9 | | 4 . 4 | 44.5 | 6.9 | 5.7 | 10.0 | 1969* | 35 . ? | 1.5 | ₹ 6 | -1.7 | 1953 | |
| 10 | E. | 4 . 5 | 4.3 | 6.5 | 5.3 | 11.7 | 1967 | 36 . 7 | 2.2 | 31 | 6 | 1 776 | |
| 11 | 0.4 | 4.7 | 44.5 | 6.9 | 53 | 11.7 | 1065 | 36 . 3 | 2.4 | 3 | -1.1 | 1971 | |
| 12 | 7. | 4.3 | 44.2 | 6.2 | 5.5 | 12. | 1967 | 35.5 | 1.9 | 2.5 | -2.2 | 1045 | |
| 13 | *** | 4 . 4 | 44.2 | 6.5 | 51 | 10.4 | 1982* | 35 . 6 | 2.7 | ۶ د | -2.2 | 1065 | |
| 14 | • 1 | 4 . 6 | 44.4 | 6.0 | 50 | 10.7 | 19794 | 36 . 2 | 2 • 3 | ا ۋو | -1.7 | 1946 | |
| 15 | 1. | 5 • u | 14.9 | 7.7 | 5.3 | 11.7 | 1967 | 37.1 | 2 • 8 | 5.6 | -1.7 | 1971 | |
| 16 | i • 1 | 5 • 1 | 45.4 | 7.4 | 61 | 16.1 | 1964 | 36.8 | 2.7 | טי | -1.1 | 1971 | |
| 17 | B | 4 . 0 | 44.9 | 7.7 | 5 ^ | 10.0 | 1971 | 3 6 . ? | 2.3 | *0 | -1.1 | 1456 | |
| 18 | 7 - | 4.5 | 44.8 | 7.1 | 4 ' | 8.9 | 1965* | 36.5 | 2.5 | 7.0 | -1.1 | 1955 | |
| 19 | 4ŋ . | 4.9 | 45 | 7.2 | 5.5 | 12.3 | 1967 | 36.6 | 2.5 | 7.1 | 6 | 1955 | |
| 20 | 1.2 | 5 • 1 | 4 5 | 7.5 | 57 | 13.7 | 1967 | 37.1 | 2 • 8 | ~2 | • C] | 1 380 | |
| 21 | 1.3 | 0 | 44.8 | 7.1 | 40 | 9.4 | 1971 = | 37.3 | 2.9 | 7 | -1.1 | 1965 | |
| 22 | 1.2 | 5.1 | 45.1 | 7.3 | 55 | 12.3 | 1964 | 37.3 | 2.9 | | -1.1 | 1565 | |
| 23 | 41.3 | 5.2 | 45.7 | 7.6 | 54 | 12.2 | 1661 | 37 • " | 2.6 | 7.2 | | 1966 | |
| 24 | .1.2 | 5 - 1 | 45.1 | 7.3 | 51 | 10.6 | 1965 | 37.7 | 2.9 | 7 | -1.1 | 1976 | |
| 25 | 41.5 | 5.3 | 45.4 | 7.4 | 5.2 | 11.1 | 1763 | 37.6 | 3.1 | 3. | -1.1 | 1976 | |
| 26 | 5.2 • 2 | 5 • 7 | 46.2 | 7.3 | 5 \$ | 11.7 | 1981 | 38.2 | 3.4 | 73 | .6 | 1976 | |
| 27 | 42.5 | 5 • 8 | 46.7 | 8.2 | 63 | 15.6 | 1964 | 33.3 | 3.5 | 7.3 | • 6 | 1960 | |
| 28 | 2.4 | 5.9 | 46.9 | 2 . 3 | 65 | 18.3 | 1964 | 38.5 | 3.5 | *1 | 6 | 1972 | |
| 29 | -2.5 | 5.8 | 46.3 | 7.7 | 55 | 12.8 | 1962 | 38.7 | 3.7 | 34 | 1.1 | 1975 | |
| 30 | : 3 . | 6 • 1 | 47.3 | 3 • 1 | 5 7 | 15.7 | 1272 | 38.6 | 3.7 | 71 | 6 | 1974 | |
| 31 | 7.1 | 6.2 | 47.6 | 8.7 | 5 1 | 14.4 | 1:72 | 38.5 | 3.6 | 71 | 6 | 1969 | |
| Monthly | 4 . 7 | 4 . 3 | 44.9 | 7.2 | 65 | 18.3 | 1964 | 36.5 | 2.5 | 20 | -6.7 | 1971 | |

*ALSO ON EARLIER YEARS

13.

DAILY AVERAGE/EXTREME TEMPERATURES

TOTA ALAK, AK 1957-1932 JULY
STATION STATION NAME YEARS MONTH

| | MEANT | EMP | | | AXIMUM TE | MP | | | | MINIMUM TEN | ЛP | |
|---------|-------|--------------|-------|--------------|-----------|------|---------|--------------|------------|-------------|--------------------|--------|
| ļ | AVERA | GE | AVERA | GE | EXTRE | ME | | AVERAC | SE. | EXTRE | ME | |
| DAY | ٥F | °c | °F | °c | °F | °c | DATE | ۴ | °c | ٦F | °c | DATE |
| 1 | 3 | 6.1 | 47.5 | 3.5 | 5.6 | 13.3 | 1972 | 3 n • 5 | 3.5 | 3.5 | -1.1 | 19/9 |
| 2 | 42.5 | 5.9 | 46.6 | 3.1 | 5.5 | 13.3 | 1972 | 38.6 | 3.7 | 29 | -1.7 | 1971 |
| 3 | - 4 | 6.3 | 47.6 | 8.7 | 5.5 | 12.5 | 1972 | 39.2 | 4. | 3.5 | 1.7 | 1973 |
| 4 | 3.3 | 6.3 | 47.2 | 8.4 | 5 🕆 | 15.0 | 1972 | 39.4 | 4 • 1 | 3.5 | 1.7 | 1973 |
| 5 | 42. | 5.9 | 45.4 | 3.0 | 52 | 11.1 | 1982* | 39.0 | 3.9 | 34 | 1.1 | 1973 |
| 6 | h.". | 6.1 | 46.5 | 8.1 | 5.3 | 11.7 | 1977 | 39.2 | 4.0 | 34 | 1.1 | 1971 |
| 7 | 53. | 5.6 | 47.8 | 8.3 | 54 | 12.2 | 1962 | 39.5 | 4.3 | 37 | 2.8 | 1975 |
| - 8 | 3.1 | 5.2 | 46.8 | 3.2 | 54 | 12.2 | 1979 | 39.6 | 4.2 | 34 | 1.1 | 1971 |
| 9 | -3. | 6.5 | 47.8 | В.9 | 55 | 12.9 | 1979 | 40.0 | 4.4 | 34 | 1.1 | 1971 |
| 10 | 4.0 | 6.7 | 47.7 | 3.3 | 5 ` | 14.4 | 197 | <u> 40.0</u> | 4.4 | 3.2 | •0 | 16.25 |
| 11 | -4-3 | 6.6 | 48.7 | 9.3 | 5 ″ | 14.4 | 1762 | 39.8 | 4.3 | 32 | <u>•</u> | 1973 |
| 12 | 14.5 | 6.9 | 46.6 | 9.2 | 6.3 | 17.2 | 1979 | 40.3 | 4.6 | 34 | 1.1 | 1313 |
| 13 | . 4.7 | 6.7 | 47.8 | 8.8 | 55 | 12.P | 1952 | 47.1 | 4.5 | 35 | 1.7 | 1969 |
| 14 | 4. | 7 - 1 | 49.5 | 9.7 | 5 - | 14.4 | 1954 | 40.2 | 4.6 | 35 | 1.7 | 1973 |
| 15 | 4.4 | 5 • 9 | 4 - 6 | 9.2 | 5 ' | 14.4 | 1982 | 43.2 | 4.6 | 3: | -1.1 | 1965 |
| 16 | 41. | 7.2 | 49.3 | 9.7 | 54 | 17.2 | 1982 | 40.5 | 4.7 | 71 | 6 | 1973 |
| 17 | 41.1 | 7.3 | 44.5 | 9.7 | 62 | 16.7 | 1973 | 40.7 | 4.8 | ₹5 | 1.7 | 1971 |
| 18 | 4:.5 | 7.5 | 49.5 | 9.7 | 55 | 13.3 | 1980× | 41.4 | 5.2 | 33 | • 6 | 1974 |
| 19 | 45.4 | المق | 5~-9 | 10.4 | 60 | 15.6 | 19742 | 42.0 | 5.6 | 40 | 4 . 4 | 1982 1 |
| 20 | 45.1 | 7.6 | 49.7 | 9 • 9 | 59 | 15.7 | 1979 | 41.6 | 5.4 | 7.7 | 2 • 8 | 1960 |
| 21 | 46.1 | 7.8 | [2.3 | 17.2 | 67 | 15.6 | 1979 | 41.6 | 5 • 3 | 9.7 | 3.3 | 1076 |
| 22 | 45. | 7.6 | 5C.2 | 10.1 | 62 | 16.7 | 1979 | 41.2 | 5.1 | 37 | 2,8 | 1971 |
| 23 | 45.1 | 7.6 | 40.7 | 9.8 | 57 | 15.7 | 1981# | 41.6 | 5.3 | 7.5 | 3.3 | 1971 |
| 24 | 45. | 7.7 | • • | 10.7 | 5, | 14.4 | 1965 | 41.6 | 5.3 | | 2.4 | 1971 |
| 25 | 46.49 | 8.1 | - 1.4 | 10.4 | 65 | 18.3 | 1962 | 42.0 | 5.9 | 36 | 2.2 | 1977 |
| 26 | 47.2 | 3.4 | 11.2 | 17.7 | 63 | 19.4 | 1967 | 42.6 | 5.7 | 38 | - 2 • 8 | 1967 |
| 27 | | 3.4 | 52.1 | 11.2 | 50 | 17.2 | 1953 | 42.8 | | 38 | 3.3 | 1971 |
| 28 | 46. | 8.2 | 57.7 | 10.4 9.4 | 57 | 13.4 | 1957 | 42.5 | 5.0 5.8 | 70 | 3.9 | 1971 |
| 29 | 4:02 | + | | | 5 7 | | 1987 | 42.P | | 3 6 | 3.3 | 1063 |
| 30 | 46.7 | 9.2 | 50.5 | 10.3 | - > | 14.4 | 148 120 | 4 < 0 = | 6.7 | | 3.3 | 1,07 |
| Monthly | .4. | 7.3 | 49.0 | 7.4 | 67 | 19.4 | 1979 | 4 7 | 4.8 | 29 | -1.7 | 1971 |
| MOULUIA | .4.1 | | 49.4 | <u>y•q</u> _ | 9 (| 1704 | 17/7 | | | 27] | - 4 + 7 | 47/1 |

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME YEARS WONTH

| | MEAN T | ENIP | | М | AXIMUM TE | MP | | MINIMUM TEMP | | | | | |
|---------|--------|-------|----------------|------|-----------|---------|--------|--------------|-------|-------|-------|-------|--|
| 1 1 | AVERA | GE | AVERA | GE | EXTRE | | | AVERAG | E | EXTRE | ME | | |
| DAY | . F | °c | ° F | ° C | °F | °c | (14,15 | F | . С | ° F | · C | DATE | |
| 1 | 7.3 | 5.5 | 51.9 | 11.1 | 61 | 16.1 | 1 - 7 | 42.7 | 5.0 | 7 5 | 3 - 3 | 10639 | |
| 2 | 47.2 | 8 . 4 | -1.3 | 17.7 | 65 | 18.3 | 1967 | 43.0 | 0.1 | 7.7 | 2.3 | 1975 | |
| 3 | 97.3 | 8 • 8 | ~2.5 | 11.4 | 6.2 | 16.7 | 1972 | 43. | 6.1 | 34 | 1.1 | 1975 | |
| 4 | - 1 | 3.9 | 2.5 | 11.4 | 6 ~ | 15.6 | 1779 | 43.7 | 6.5 | 77 | 2.2 | 1971 | |
| 5 | 4 . 3 | 6 • 8 | 2 2 • 1 | 11.2 | 65 | 18.3 | 1063 | 43.5 | 6.4 | 7 2 | 7.3 | 1964 | |
| 6 | 7. | 8.8 | 7 ? • 3 | 11.3 | 5 ≎ | 15.7 | 1953 | 43.5 | 6.4 | 79 | 3.0 | 1965 | |
| 7 1 | | € • ₺ | 51.3 | 11.0 | 617 | 15.6 | 1953 | 43.2 | 5.2 | 7.9 | 3.0 | 1973 | |
| 8 | 4 . 7 | c . 7 | 12.7 | 11.2 | 64 | 17.8 | 1967 | 43.3 | 6.3 | 7.6 | 3 - 3 | 1952 | |
| 9 | 7 | 9.1 | 2.9 | 11.5 | 6 7 | 17.2 | 1950 | 43.5 | 6.4 | 77 | 2.5 | 1071 | |
| 10 | 47.7 | 8.7 | -1.4 | 10.8 | 61 | 16.1 | 1960 | 44.3 | 5.7 | 77 | 2.8 | 1971 | |
| 11 | • | 8.9 | 2 • 3 | 11.2 | 5 7 | 15. | 1963 | 43.5 | 6.5 | 77 | 2.5 | 1971 | |
| 12 | 1 . 4 | 9.1 | 52.9 | 11.5 | 66 | 18.9 | 1974 | 43.3 | 5.6 | 7 0 | 3.3 | 1971 | |
| 13 | 1 - 1 | 3.9 | 72.1 | 11.2 | 60 | 15.6 | 1 781 | 44.2 | 6.8 | 77 | 2.8 | 10.1 | |
| 14 | | 9.1 | 2.2 | 11.2 | 63 | 17.2 | 1967 | 44.5 | 6.9 | ₹/, | 2 • 2 | 1271 | |
| 15 | • | 9.4 | 3.3 | 11.9 | 5 n | 15.0 | 1981 | 44.6 | 7.1 | 4 | 4 . 4 | 1971 | |
| 16 | | 9.3 | 52.7 | 11. | 65 | 18.3 | 1956 | 45.0 | 7.2 | 7 % | 3 . 3 | 1971 | |
| 17 | •] | ?•€ | 4 • 1 | 12.3 | 64 | 17.8 | 1967 | 44.5 | 6.9 | 36 | 2.2 | 1271 | |
| 18 | , , | 9.9 | 54.7 | 12.5 | 63 | 2. • - | 1981 | 44. | 7.2 | 76 | 2.2 | 1571 | |
| 1.3 | • 1 | 9.7 | 53.7 | 12.1 | ક ે | 16.7 | 195 | 45.3 | ' • 4 | ₹ -5 | 2.3 | 1971 | |
| 20 | 4 •- | 9.8 | " 4 . 4 | 12.4 | 7 | 21.1 | 195 | 44.9 | 7.7 | 3: | 2 • 2 | 1971 | |
| 21 | 4 | 7.8 | 4.5 | 12.5 | 6 ~ | 2 " . ^ | 1963 | 44.5 | 7.1 | 3.9 | • 7 | 1971 | |
| 22 | 45.3 | 7.6 | "4.2 | 12.3 | 6.7 | 17.2 | 1954 | 44.4 | 5.9 | 34, | 2 • 2 | 1971 | |
| 23 | 7. | 10.2 | 55.7 | 17.2 | 77 | 21.1 | 1762 | 44 | 7.1 | 33 | .6 | 1971 | |
| 24 | | 10.4 | F5.4 | 13.5 | 65 | 18.3 | 1965 | 45.9 | 7.7 | 7 6 | 3 • 3 | 1971 | |
| 25 | 1. | 13.6 | 75.4 | 17.0 | 77 | 21.1 | 1 262 | 46.6 | 5.1 | 6 | 4.4 | 1971 | |
| 26 | r . ? | 17.4 | 75.1 | 12.0 | 6 | 20.0 | 1980 | 46.3 | 7.9 | • - | 7.3 | 1673 | |
| 27 | • 1 | 17.2 | 55.2 | 12.9 | 67 | 19.4 | 1980 | 45.4 | 7.4 | 3.6 | 2 • 2 | 1973 | |
| 28 | • | 1 | 55.9 | 17.3 | 7? | 22.2 | 1962 | 45.5 | 7.7 | 19 | 3.9 | 1932 | |
| 29 | 1. | 10.9 | 56.4 | 13.6 | 6, | 2::•0 | 10814 | 46.7 | 8.2 | 10 | 3.9 | 1971 | |
| 30 | 1.2 | 10.7 | 55.9 | 17.3 | 64 | 17.3 | 1363 | 46.5 | 9.1 | 4:, | 4 . 4 | 1971 | |
| 31 | 1. | 10.3 | 56.9 | 13.0 | 6.5 | 10.3 | 1761 | 46.1 | 7.8 | 79 | 3.4 | 197: | |
| Monthly | • 1 | 9.5 | 63.7 | 12.1 | 7.2 | 22.2 | 1962 | 44.6 | 7. | 3 [| • 6 | 1071 | |

ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

 104
 1 Ar., 4k
 1 75 +1982
 A 1 JST

 STATION
 STATION NAME
 YEARS
 VONTH

| | MEAN T | EM1P | | MA | XIMUM TE | MP | | MINIMUM TEMP | | | | | |
|---------|--------|-------|----------------|------|----------|---------|-------------|--------------|----------|------------|-------|-------|--|
| i † | AVERA | GE | AVERA | GE | EXTRE | ME | | AVERA | 3E | EXTRE | Vi: | | |
| DAY | F | · c | ⁵ F | °c | ° F | ° c | DATE | °F | ° c | ² F | c | DATE | |
| 1 | | 11.5 | 53 | 14.4 | 57 | 2.4 | 1961 | 47.1 | : - 4 | : 4 | 3.9 | 1971 | |
| 2 | 1. | 11. | 56.5 | 17.7 | E | 7 | 10774 | 46.5 | 3 | 7.5 | 3.7 | 198 | |
| 3 1 | 2. | 11. | 56.7 | 13. | 6.3 | 2 • 7 | 1054 | 47.4 | 3.6 | - 3 | 6.1 | 1954 | |
| 4 | 1.4 | 13.9 | 50.0 | 13.4 | 74 | 23.3 | 1981 | 47.1 | 8.4 | ٤1 | e . (| 1971 | |
| 5 | - : • | 11.1 | 54.6 | 17.7 | 7: | 22.3 | 1 781 | 47.7 | 3.4 | 41 | | 1971 | |
| 6 | 1 | 10.7 | 65.7 | 13.2 | 6° | 13.3 | 1969 | 46.5 | 5.2 | / 1 | 5. | 1973 | |
| 7 | 1.1 | 0.6 | <u> </u> | 13.4 | 74 | 23.3 | 1469 | 46.6 | 8.1 | 41 | 5. | 1971 | |
| 8 | 1. | 1 .7 | 56.6 | 17.7 | 75 | 23.7 | 1756 | 46.5 | 8 • 2 | | 4.4 | 1071 | |
| 9 | 2.4 | 11.3 | 57.7 | 14.1 | 7.7 | 25.3 | 1756 | 47.5 | 8.5 | 40 | 4.4 | 1:0 | |
| 10 | 1. | 11. | 55.7 | 17.3 | 6.7 | 19.4 | 1759 | 47.5 | 3.6 | 9.0 | 4 . 4 | 1971 | |
| 11 | | 17.4 | 55.3 | 17.3 | 6.5 | 1 R . 9 | 1982 | 47.4 | 5.(| 4.5 | 4.4 | 1981 | |
| 12 | | 11.0 | 55. | 13.2 | 6.3 | 17.2 | 1974 | 46.8 | 3.7 | 7 5 | 3.3 | 19010 | |
| 13 | | 13.9 | 5£ • 1 | 13.4 | 65 | 19.9 | 1053 | 47.3 | 3.5 | 41 | 5. | 1982 | |
| 14 | 1 • 4 | 13.8 | c 6, -3 | 13.3 | 74 | 23.3 | 1969 | 46.5 | 3 • 2 | 4 | 4 . 4 | 1951 | |
| 15 | 1. | 10.3 | 55.7 | 17.3 | 6 | 27.7 | 1963 | 47. | 8 • 3 | 7 | 3.3 | 1953 | |
| 16 | | 10.4 | <u> </u> | 12.1 | 54 | 17.8 | 1958 | 46.4 | 3 | 7 9 | 7.9 | 1968 | |
| 17 | | 10.5 | 55.7 | 17.2 | 65 | 18.3 | 1773 | 46.0 | 7.8 | 7.6 | 2.2 | 1955 | |
| 18 | | 10.7 | 55.6 | 13.1 | 6 | 20.6 | 1753 | 45.8 | 8 • 2 | - 1 | 3.3 | 1373 | |
| 19 | | 1.9 | 55.1 | 13.4 | 6° | 27.4 | 10.3 | 47.1 | 8.4 | 42 | 5.6 | 1966 | |
| 20 | 1.4 | 15.3 | 56.1 | 17.3 | 71 | 21.7 | 1969 | 47.1 | . 4 | 77 | 2.3 | 1921 | |
| 21 | 1.1 | 13.7 | 55.4 | 17.2 | 6 - | 18.3 | 1951 | 47.5 | 9.5 | * 7 | 3.3 | 13. | |
| 22 | 1.5 | 10.9 | 50.1 | 17.3 | 66 | 18.9 | 1953 | 47.2 | ₹.4 | | ' • Q | 1971 | |
| 23 | | 10.4 | 15.2 | 12.3 | 64 | 17.3 | 1953 | 46.4 | | | 1.7 | 19.6 | |
| 24 | • | 10.5 | * 5.4 | 13.7 | 63 | 17.2 | 1769 | 46.3 | 7.9 | 7.4 | 1.1 | 19 3 | |
| 25 | 1.1 | 10.8 | -5.5. | 17.2 | 65 | 13.4 | 1953 | 47. | 3.3 | - 3 | - 6 | 1063 | |
| 26 | | 10.4 | 54.8 | 12.7 | 71 | | 1053 | 46.5 | 8 • 1 | 41 | | 1967 | |
| 27 | •] | 1 - 3 | <u> </u> | 12. | 61 | 16.1 | 1952 | 46.1 | 7.8 | 0.0 | 4 . 4 | 1964 | |
| 28 | | 9.7 | | 11.9 | 57 | 15.1 | 1069 | 45.4 | 7.4 | 40 | 4 . 4 | 1954 | |
| 29 | 4 • | 9.9 | 53.8 | 17.1 | 6 | 15.4 | 106 | 45.5 | 7.7 | 40 | 4 . 4 | 1763 | |
| 30 | | 10. | 54.5 | 12.7 | 61 | 15.1 | 196 | 46.1 | 7.8 | | 4 . 4 | | |
| 31 | | 10.4 | 54.4 | 12.4 | 61 | 16.1 | 1962 | 47. | 9.3 | 7 7 | 6.1 | 1972 | |
| Monthly | 1.1 | 10.7 | 55.9 | 13.4 | 75 | 23.7 | 1955 | 46. | <u> </u> | . 5 | • 6 | 1953 | |

ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

YEARS

705TH

| r | MEAN TE | *.1P | | | AXIMUM TE | MP | <u>-</u> | MINIMUM TEMP | | | | | |
|------------|---|--------------|----------|---------|-------------|-------|----------|-----------------|--------|-------|---------------|---------|--|
| 1 | AVEFA | rui i | AVERA | Gŧ | EXTR | EME | | AVERAGE EXTREME | | | | | |
| DAY | F | c | " F | ·c | · F | . С | DATE | ³ F | ° C | `F | - C | DATE | |
| | • '1 | | 64. | 17.7 | F. 7, | 15.03 | 1 9 5, 7 | 46.4 | • 7 | • - | - 6 | 1 | |
| 2 | . 4 | 9.9 | F 3 . 1 | 12.1 | ŧ, | 16.7 | 195₹ | 45. | 7 . 8 | 47 | 4.4 | 1 | |
| | | 9.9 | | 12.4 | 5.2 | 15.7 | 1959 | 45.47 | 7 . 2 | | 2.0 | 1571 | |
| . 4 | <u> </u> | 10.1 | 4.4 | 12. | 6! | 10.1 | 1979 | 45.3 | 7 . 7 | • | `•3 | 1 - " | |
| | • ì | 15.1 | -4.6 | 17. | ۲۲ | 18.3 | 1979 | 45.7 | 7.6 | 77 | 2 <u>.:</u>] | 107 | |
| | · - · · · · · · · · · · · · · · · · · · | 7.6 | 53.4 | 13.1 | 5 · | 1 5 • | 1,73 | 44.F. | 7. | 3 - | 1.1 | 1 - | |
| | | 3.5 | 13.3 | 12.1 | 64 | 17. | 1965 | 44.7 | 7.1 | 7.3 | | 10/1 | |
| E | · | 7.4 | 53.5 | 12.0 | (, 4 | 17.0 | 1966 | 44.1 | 6.7 | 7: | 1 • 7 | 1971 | |
| 9 . | • 1 | 3 • 1 | 7.5 | 11.4 | 5 ` | 1 | 1054 | 44.2 | 6.7 | 7 7 | 1.7 | 1957 | |
| 100 | • • | 7.9 | • • • | 11.2 | 5 | 10.4 | 1007 | 44.1 | €.7 | 7.7 | 1.7 | 10-4 | |
| !* | | <u> </u> | 7.7.7 | 11. | 6 - | 1 • 7 | 1954 | 44.0 | 7 | 7.5 | . 2 | 1360 | |
| 1 - 12 - 1 | | 3 • 3 | | 11.2 | 5 · | 13.3 | 1961 | 43.6 | 5.4 | 7.2 | .0 | 1 * / 5 | |
| 13 1 | <u> </u> | 9.2 | 52.3 | 11.6 | 51 | 15.1 | 1963 | 44.2 | 6.3 | 77 | 2 • 5 | 191 | |
| 14 | | 5_ .9 | <u> </u> | 11.1 | 57 | 13.4 | 13813 | 44. | t. 7 | 7 % | 2 • 2 | 1354 | |
| 15 | | 2 . 7 | 71.3 | 11.3 | 5, | 13.2 | 1981 | 43.5 | r. • 4 | 7.3 | . 5 | 1792 | |
| 16 | . 4 | 9.1 | . 6 | 11.4 | <u>6 ~ </u> | 14.7 | 1954 | 44.7 | 6.5 | | 3 • 3 | 197. | |
| 1.7 | • 1 | 7.1 | 2.4 | 11.3 | 5 | 14.4 | 1781 | 44.2 | 6.3 | • • | 1.7 | 1932 | |
| 18 | | 3.6 | 1.7 | 17.7 | 6 n | 1 . 4 | 1761 | 43.2 | | 7 3 | • 5 | 1035 | |
| 19 | | 3.2 | 1.2 | 17.7 | 5 : | 14.4 | 1781 | 42.4 | | , ; | | 10.7 | |
| 20 | Al F . | 3 • 3 | 1.3 | 1 " • 7 | 5 ~ | 13. | 1979 | 40.5 | 5. | | 1.7 | 1975 | |
| 21 | | 2 • € | 7 | 17.4 | 57 | 13.7 | 1958 | 44.2 | 6.: | | 2.3 | 137 | |
| 22 | • • | 3 • • | 1.0 | 1001 | 5.5 | 12. | 1977 | 44. | ? | * 5 | 2." | 197 | |
| 23 | 19.7 • 7 | 3.7 | 1.2 | 11.7 | 5 ′ | 13.3 | 1969 | 43.7 | o • 5 | 7. | 1.7 | 1919 | |
| 24 | | 8.4 | 1.5 | 10.5 | 5 ' | 17.7 | 1763 | 47.2 | t • 1 | 7.2 | | 19+3 | |
| 25 | | - 3 | | 11.1 | 5 7 | 17.7 | 1750 | 42.1 | . 6 | | 1.7 | 19: | |
| 26 | • | 3.4 | 1.4 | 10.0 | 5 7 | 17.5 | 1960 | +2.5 | £ • 1 | 71 | 5 | 17° a | |
| 27 | | 7.5 | • 1 | 10.1 | 5 ' | 13.0 | 1963 | 42.0 | - 6 | 2.5 | +7.2 | 10. | |
| 28 |] | 7.9 | | 1 1 | 5 ~ | 1 . ^ | 1955 | 42.5 | 5.6 | ₹4 | 1.1 | 13.5 | |
| 29 | • • | 7.7 | 40.7 | 3. | ς, ~ | | 1765 | •1•1 | 5.4 | 7.4 | 1.1 | 1 7.75 | |
| 30 | \$ <u>.</u> ∶d | 7.4 | 4 . 0 | 9.1 | 54 | 1 ^ | 1969 | 41. | 5.0 | 7.1 | 6 | 1 - 7 - | |
| 31 | | | | | | | | | | | | | |
| Monthly | | ÷ . 9 | | 11.2 | 6.5 | 1 0 | 1000 | 43. | 5 • 6 | · · · | -2.2 | 1 / " | |

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

| | MEAN TE | (1P | | M | AXIMUM TE | MP | | MINIMUM TEMP | | | | | |
|--------------|---------|-------|------------|--------------|-----------|---------|--------|----------------|---------|-------|----------------|---------|--|
| | AVERAC | , F | AVERA | 5E | EXTRE | EME | | AVERA | 3 E | EXTRE | ME | | |
| DAY 1 | F | c | · F | °C | * F | - c | DATE | ⁵ F | " c | F | °C | DA1E | |
| • | 4 • • | 7.4 | 4 7 | 3.0 | | 1.7. | 10533 | 4:.7 | ٠.٦ | 7. | • [| 1 - 7 | |
| 2 | | 7.8 | . 4 | 1 - 7 | €. 1 | 1 • 1 | 1900 | 41.6 | : • t | " . | | 1 . : | |
| 1 | 3 . 1 | 7.4 | 4 7 | 9.7 | .,- | 17.4 | 19674 | 40. | 4 | 7 | 1.7 | 1966 | |
| 4 | 4 | 7 . 3 | 4 .9 | n . 14 | 5 : | 11.7 | 10731 | 41.4 | | 72 | • 3 | 18:3 | |
| 5 | | 7 . 1 | 4 . 4 | 9. | 5 7 | 13.4 | 1981 | 4 : • | r • 1 | 10 | -1.7 | 19. | |
| ٠, | .4. | 7.1 | 4 . 4 | 7.7 | ۲ ' | 1:03 | 1973 | 39.0 | 4 | ~ | -1.1 | 1 | |
| <i>j</i> -+- | | 7.3 | <u> </u> | 7 . c. | 5. | 14.4 | 1 273 | 4 1 | 4 . 7 | 7.2 | | 1 | |
| 8 i | 4 | 6. | ن و ن | 0.7 | 5 1 | 12.3 | 1975 | 70 9 | ii . ii | -1 | 5 | 1 | |
| g | 4.5 | 6.7 | _ • | 5 . 9 | 2.5 | 1.2. | 106: | 4 . 9 | ٠. ٥ | ~: | 1 | 1 7 - 4 | |
| 10 | 4 . 4 | 6.4 | a - • | ° ⊃ | 5.4 | : 3 . 7 | 1 263 | 4 | 4.7 | ₹ 4 | 1 • 1 | 1 . | |
| 11 | 4 . | 0.7 | 1 | 5.0 | 5 | 15.7 | 1956 | 4 . 7 | . 4 | - 1 | 6 | 1 - 1 | |
| 12 | • | 0.4 | ~7. | n • s | 5, 7 | 17.0 | 1954 | 27 • 1 | 3.9 | • . | 1 - 1 | 1 774 | |
| 13 | . • | 5.4 | - 1 | 2.4 | 5 | 15.5 | 1 05 3 | 32.5 | . 4 | 1 | 6 | 1472 | |
| 14 | • i | 5.6 | L + . 4 | ° • ¬ | - 1 | 13.4 | 1952 | 37.4 | . • 3 | - 1 | 5 | 1 7 | |
| 15 | | 5. | 4 64 | . 1 | 5.5 | 11.1 | 10799 | 38.3 | 3.7 | 7 ' | 1 • 1 | 1351 | |
| 16 | • | 5.4 | | e • 3 | 51 | 1 . 4 | 1961 | 35 . 7 | 3.5 | 7.1 | 6 | 1501 | |
| 17 | • | h • 1 | 47 | 2.1 | 54 | 12.3 | 1961 | 50. | 5.7 | 2.0 | - î • 2 | 1 7 4 | |
| 18 | | 5.7 | ي . ي | n . 1 | 54 | 12.7 | 1981 | 37.5 | . 3 | 70 | -1.1 | 1 - | |
| 19 | | | 4 | 7.3 | 57 | 11.1 | 1781 = | 36.7 | 2.5 | 7 4 | - ; , 7 | 19.5 | |
| 20 | -: • l | 5.4 | 40 * • 1 | 7.3 | 5,7 | 11.1 | 1969 | 7.2 | 2.7 | 71 | 6 | 1013 | |
| 21 | 1.1 | 5.1 | 4 .4 | 7.6 | 5 7. | 12.3 | 1955 | 7.7 | 2.9 | 7 7 | -?.c | 1963 | |
| 22 | • | 4 . | 4 | 7 . 7 | 5 2 | 11.1 | 1 779 | 36.5 | 2.5 | 7.7 | ~?•! | 19: | |
| 23 | | 4 . + | ٠, ١, ٠ | 7 • 1 | 5.4 | 12. | 1952 | 35.9 | 2.5 | ~ . | ~1.7 | 19: | |
| 24 | 1. | · | | 7.4 | 5.7 | 11.1 | 10774 | :7.1 | : প | 7 | -2.2 | 1 - 4 - | |
| 25 | 1.7 | 5.1 | 4 . 5 | 7.4 | 61 | 15.5 | 1064 | 7.1 | | 7.5 | - ? - 3 | 124.9 | |
| 26 | • 1 | 4.7 | 1.4. | 7.1 | 2.2 | 11.1 | 1078 | 30.1 | 7 . 3 | `2 | -5.6 | 1063 | |
| 27 | • | 4.5 | . ધ . ધ | F . ~ | 5 1 | 11.1 | 10F2 | 35.0 | | 71 | 6 | 1074 | |
| 28 | , , | 3 | . 3 . 5 | 5 . 4 | 5.7 | 11.7 | 1978 | 36. | | 7 € | - 7 - 3 | 1 6 7 | |
| 29 | | 4.4 | | 5.7 | 4 7 | 3.7 | 1052 | 36.5 | 2.1 | 7. | ? | 10 5 | |
| 30 | 7.7.4 | 4 - 1 | 43.4 | 5.3 | 5,5 | 11.2 | 1067 | 3 4 . 5 | 1.0 | ~ 7 | • • • | 1900 | |
| 31 | | 3.7 | 11 | 6.0 | 5.5 | 17.7 | 107 | 5 . 4 | 1.7 | 7 % | - `, ; | 1 76.5 | |
| Monthly | • | 5.9 | 4 7 | 9.5 | 5.1 | 1 | 196.0 | 33.4 | 3.6 | 72 | 6 | 105- | |

ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

| ٠ ك | 1 A+ . Nr | 1 7 -1 782 | N FEMBER |
|---------|--------------|------------|----------|
| STATION | STATION NAME | YEARS | MONTH |

| | MEAN TE | MP | | M | AXIMUM TE | MP | | MINIMUM TEMP | | | | | |
|---------|---------|-------|------------|-------|-----------|-------|-------|--------------|-------|-----------|---------------|---------|--|
| 1 | AVERA | 3E | AVERA | SE | EXTRE | ME | | AVERAGE | | EXTRE | ME | | |
| DAY | ` F | -c | °F | c | ° F | 。 C | DATE | °F | °C | °F | °С | DATE | |
| 1 | [| 3.7 | 42.7 | 5.3 | 5 ! | 10.6 | 19.5 | 34.4 | 1.3 | 2.0 | -3.9 | 1933 | |
| ? | | 3.9 | 43.1 | 6.3 | 5 7 | 11.1 | 1778 | 34.7 | 1 • ' | 30 | -1.1 | 1963 | |
| 3 | • | 4.3 | 43.4 | 6.7 | 53 | 11.7 | 1964 | 36.3 | 2.4 | - 5 | -1.1 | 1972 | |
| 4 | • l | 3.9 | 43.3 | 6.7 | 5 | 10.7 | 1969 | 35. | 1 . 7 | 2.7 | ~∴ 8 | 197 | |
| 5 | • | 4.1 | 43.5 | 5.11 | 5.5 | 12.3 | 1982 | 34.0 | 1.6 | 7.6 | -7.3 | 1973 | |
| 6 | • | 4.0 | .3.4 | 6.3 | 54 | 12.2 | 1064 | 35 | 1.7 | ? 9 | -1.7 | 19:1 | |
| 7 | • | 3.3 | 42 a Z | 5.7 | 4.9 | 8.9 | 1964 | 33.8 | 1.7 | 23 | -7.2 | 1949 | |
| 8 | • • | 3.0 | 2.4 | Ε, ' | 5.2 | 11.1 | 1985 | 34.3 | 1.3 | ? & | -3.3 | 1981 | |
| 9 | * * • | 3.1 | 41.5 | 5.4 | 4 | 8.9 | 1937 | 33.3 | . 7 | 1 3 | -7.9 | 1974 | |
| 10 | 7 . 7 | 3 . 7 | .2.5 | 5 • ° | 55 | 12.3 | 1667= | 35.0 | 1.7 | 2.3 | -5.3 | 1964 | |
| 11 | * , . 7 | 3.2 | 41.7 | 5.5 | 4.7 | 3. 3 | 1767 | 33.4 | . 0 | 2.2 | -5.6 | 15 | |
| 12 | • 3 | 3.2 | 42.2 | 5.7 | 43 | 7.4 | 1965 | 33.4 | • 3 | ? 2 | -5.6 | 155 | |
| 13 | ' | 3.1 | 42.4 | €, | 5,7 | 10.0 | 19650 | 34.4 | 1.3 | ે દ | 3.3 | 1964 | |
| 14 | 7,7 | 3.2 | 41.5 | 5.3 | 5.2 | 11.1 | 1979 | 33.7 | • 9 | 2.1 | • 5 • i | 1554 | |
| 15 | 17.B | 3.2 | 42.1 | 5.6 | 5.4 | 12.2 | 197. | 33.5 | • 3 | 16 | -5.9 | 1964 | |
| 16 | ٠, | 2 • 1 | 4[.0 | 4.7 | 57 | 13.7 | 1970 | 33.1 | • 6 | 1.6 | -8.9 | 1971 | |
| 17 | • • | 7 • 1 | 47.7 | 4.9 | 5.7 | 10.0 | 1965 | 32.4 | • 2 | 1 9 | -7.2 | 1962 | |
| 18 | 4 | 2.4 | 4 6 | 4,4 | 4 7 | 8.0 | 1951 | 32.2 | • 1 | 7 | -6.7 | 1962 | |
| 19 | 3 (2 | 2.6 | .1 .4 | 4.7 | 4.2 | 8.9 | 1061 | 32. | . 4 | 2.5 | -° .6 | 1 2 5 | |
| 20 | **. | 2 • 1 | 7 - 0 | 4 . 4 | 46 | 7. 4 | 1973 | 31.7 | ~ • ? | 3.0 | -6.7 | 100. | |
| 21 | • | 2 • 3 | 7 2 | 4.5 | 5 | 17.7 | 1965 | 32.0 | • 1 | 1 7 | -8.3 | 1 ^ 2 | |
| 22 | • | 2 • 3 | ы . ц | 4.7 | 5.5 | 12. | 197 | 32.0 | • | 1 . | 9 | 1075 | |
| 23 | 77, | 2 • 1 | د ° ۵ | 4.4 | 5 4 | 12.2 | 107 | 31.5 | 3 | 13 | -1 .6 | 1 7 7 1 | |
| 24 | 3 | 1.9 | . 4 | 4.1 | 5 / | 13.3 | 197 | 51.7 | ? | 1 9 | -7.2 | 10 | |
| 25 | | 2.2 | 7 1 a | 4 . ? | 5 7 | 12. | 107" | 32.1 | • ^ | 1 - | -7.9 | 1973 | |
| 26 | 71.9 | 1.7 | | 4.0 | 31 | 10.6 | 1070 | 31. | 1 | 19 | -7,2 | 1979 | |
| 27 | 74. | 1. | 741 • 1 | 3.9 | 4.7 | 3. | 1767 | 31.4 | 3 | ~1 | -6.1 | 197; | |
| 28 | 7 | 1.6 | 7 7 . 4 | 4.1 | 4 5 | 7 . R | 19739 | 31.0 | 6 | 19 | -7.2 | 1953 | |
| 29 | ₹ | 2 • 3 | 7 - 5 | 4.7 | 54 | 12.2 | 1761 | 32.7 | . 4 | 1.7 | -11.1 | 1965 | |
| 30 | 35.1 | 2 • 1 | 34.5 | 4.7 | 4 7 | 3.4 | 197 | 31. | 1 | 23 | -5 • € | 1055 | |
| 31_ | | | | | | | | | | | | | |
| Monthly | 77. | 7.0 | #1.3 | 5.2 | 57 | 13.5 | 197 | J3.2 | . 7 | 1. | -11.1 | 1969 | |

ALSO ON EARLIER YEARS

3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

 174
 2 Art. 4a.
 1 2F 1782
 DICEMBE

 STATION
 STATION NAME
 YEARS
 MONTH

| | MEAN TE | MP | | N | AXIMUM TE | MP | | | | MINIMUM TE | MP | |
|---------|---------|----------|----------------|-------|-----------|-------|-------|--------|------|------------|-------|--------|
| | AVERA | GE | AVERA | GE | EXTRE | ME | | AVERAC | SE . | EXTR | EME | |
| DAY | · F | , c | ⁴ F | °C | °F | ° c | DATE | °F | °C | °F | °C | DATE |
| 1 | 75 | 2.1 | ? : • € | | 53 | 11.7 | 1977 | 31. | 1 | 22 | -5.6 | 19515 |
| 2 | 7 5 | 2 | - a | 4.3 | 4.3 | 9.4 | 1779 | 31.5 | -,3 | 20 | -6.7 | 1991 |
| 3 | | 1.7 | 7.4 | 4.1 | 4 3 | 8.3 | 1979 | 30.6 | 3 | 16 | 9 | 1969 |
| 4 | | 1.7 | <u>7.2.3</u> _ | 4. | 47 | 8.9 | 1953 | 30.9 | € | 15 | -0.4 | 1959 |
| 5 | | 1.6 | 77.1 | 3.3 | 53 | 11.7 | 1954 | 31.3 | 4 | 2.3 | -3.9 | 1979 : |
| 6 | 74. | 1.4 | · 7.9 | 7.3 | +4 | 6.7 | 1966 | 51.7 | 4 | 22 | -r .6 | 1974 |
| 7 | | 1.7 | 79.7 | 4.0 | 5.5 | 12.5 | 195 | 30.3 | 7 | 13 | -1:.6 | 1971 |
| 8 | 34.5 | 1.4 | 7 .9 | 3.8 | 5.1 | 10,6 | 1957 | 30.2 | -1.7 | ?1 | -6.1 | 1767 |
| 9 | 7/ | 1.2 | 30.4 | 3.6 | 4 4 | 7.3 | 1979 | 29.7 | -1.3 | 13 | -1 -6 | 1067 |
| 10 | 77.01 | 1.7 | 3: • 9 | 3.9 | 4 ? | 7.4 | 1957 | 31.4 | 3 | 17 | -8.3 | 1922 |
| 11 | 34.0 | 1.5 | 75.1 | 3 - 4 | 44 | 6.7 | 1979 | 31.3 | 4 | 7.1 | -6.1 | 176 |
| 12 | 3.3 | . 7 | 77.1 | 2.9 | 45 | 7.7 | 1979 | 29.5 | -1.4 | 21 | -6.1 | 1945 |
| 13 | * 2 • | | 76.9 | 2,7 | 47 | 8 - 3 | 1963 | 27.7 | -1.8 | 1 1 | -12.2 | 1955 |
| 14 | 3. | 1.1 | 37.7 | 7.2 | 51 | 10.6 | 1768 | 30.1 | -1.1 | 1.7 | -6.3 | 1959 |
| 15 | '3. | . 9 | 37.6 | ₹•1 | 4 7 | 7.7 | 1973 | 20.7 | -1.3 | 1 5 | -7.8 | 1976 |
| 16 | 315 | 1.4 | 7 . 4 | 3.6 | 47 | 3 - 3 | 1971 | 30.6 | 8 | 17 | -11.1 | 1542 |
| 17 | 7.4 . 1 | 1.1 | 7.17 | 7.3 | 46 | 7.9 | 1968 | 31.4 | 3 | 22 | -5.6 | 1954 |
| 18 | 74.1 | 1.3 | 7 .6 | 3.7 | 54 | 12.2 | 1977 | 30.0 | -1.1 | 21 | -6.7 | 195 |
| 19 | 7.3 | 1.1 | 37.6 | 3•1 | 5.2 | 11.1 | 1970 | 30.3 | 9 | 70 | -6.7 | 1972 |
| 20 | 3. | 1.0 | 77.8 | 3.7 | 47 | 8.3 | 1971 | 29.9 | -1.2 | ?° | -6.7 | 1969 |
| 21 | /3. | 1.q_ | 37.5 | 3.1 | 41 | 3.9 | 1959 | 30.0 | -1.1 | 14 | -10.D | 1969 |
| 22 | | | ~7.7 | 2.9 | 46 | 7.9 | 1979 | 20.5 | -1.4 | 13 | -1 .6 | 1953 |
| 23 | 3.1 | . 7 | 76.7 | 2.6 | 43 | 6.1 | 1971 | 29.7 | -1.3 | 17 | -9.3 | 1953 |
| . 24 | 72. | | 76.1 | 2.3 | 4.7 | 5.6 | 1970 | 20.2 | -1.6 | 14 | -10.0 | 1952 |
| 25 | 76. | | 35.7 | 2.5 | 44 | 6.7 | 1981 | 8.85 | -1.5 | 15 | -9.4 | 1974 |
| 26 | 73. | 1.0 | -7.1 | 2.8 | 45 | 7.3 | 197 7 | 30.5 | 9 | 13 | -10.6 | 1953 |
| 27 | 3.1 | <u> </u> | 16.3 | 2.7 | 47 | 8.3 | 1951 | 29.5 | -1.4 | 11 | -11.7 | 1975 |
| 28 | 3.4 | | 37.7 | 2.3 | 4 | 7.7 | 1951 | 30.9 | 6 | 15 | -7.4 | 1979 |
| 29 | | | 77.3 | 2.7 | 4 7 | 5.1 | 1951 | 29.8 | -1.2 | 2. | -6.7 | 1972 |
| 30 | '2•1 | | 30.3 | 2.4 | 4.2 | 5.6 | 1967 | 28.3 | -2.1 | 17 | -A.3 | 1979 - |
| 31 | 2.4 | | 30.4 | 2.4 | 4 4 | 7.3 | 1964 | 27.9 | -2.3 | | -13.3 | 1979 |
| Monthly | 34.1 | 1.1 | 37.8 | 7.3 | 55 | 10.4 | 195 | 30.0 | -1.7 | | -13.3 | 1979 |

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MACINUM TEMPERATORE

FROM DAILY OBSERVATIONS

227 4

ASAK, IK

79-32

VEARS

STATION

G.

STATION NAME

HALE OFFRES FAHRENHEIT

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | ост. | NOV. | DEC | ALL MONTHS |
|-----------|------|------|------|------|------|------------|------|----------|------|-------------|------|-----------|----------------|
| TEAN C | 46 | 4 - | 43 | 46 | 47 | 62 | 75 | 67 | 55 | 50 | - | <u> </u> | |
| 1 1 | 4.5 | 4.5 | 44 | 4.9 | 47 | 56 | 52 | 63 | 56 | 5.2 | 4.8 | 47 | ر ۲ |
| 1.2 | 40 | 4 5 | 47 | 45 | 56 | 56 | £ 5 | <u> </u> | 58 | <u> </u> | 45 | 47 | F - |
| 3 | 42 | ₹4 | 43 | 47 | 47 | 59 | 65 | 71 | 57 | 52 | 40 | 4.7 | 7: |
| - 4 | 40 | 42 | 46 | 4.6 | 49 | 5á | 6.5 | 66 | €? | 5.2 | 48 | 5.3 | 7.5 |
| - 55 | 43 | 47 | 46 | 46 | 49 | 53 | 6.9 | 63 | 56 | 5.5 | 45 | 45 | à ^v |
| e 6. | 47 | 45 | 44 | 46 | 48 | 54 | 46 | 75 | 57 | 5.5 | 46 | 44 | 75 |
| 5.7 | 4.8 | 45 | 4.5 | 49 | F1 | 5.2 | 57 | 43 | 57 | 5 1 | 46 | 49 | 1 7 |
| 3.2 | 44 | 4.2 | 46 | 43 | 48 | 58 | 53 | 67 | 58. | 50 | 45 | 43 | 67 |
| ٠, چ | 45 | 4.3 | 41 | 49 | 5.3 | 50 | € 2 | 6.5 | 66 | 5.5 | 4.5 | 48 | 5.6 |
| 4.7 | 45 | 4.2 | 4.2 | 43 | 46 | 52 | 51 | 51 | €3 | 51 | -1 | 41 | 5.4 |
| · 1 | 42 | 42 | 43 | 53 | 5 A | 57 | 45 | 41 | €0 | 54 | E 4 | 45 | 6.5 |
| 1.2 | 47 | 47 | 47 | 5€ | £ 8 | 65 | 72 | 6.4 | 60 | 54 | 45 | 41 | 7.7 |
| 4, 3 | 4.5 | 41 | 46 | 50 | ۶2 | 55 | 69 | 7 % | 61 | 5.4 | \$ ت | 42 | 7~ |
| 6.4 | 4.4 | 4.1 | 48 | 47 | 65 | 58 | 54 | 61 | 61 | 60 | 7.4 | 47 | 55 |
| / 3 | 46 | 46 | 47 | 52 | 51 | 60 | 68 | 66 | 59 | 52 | 5.5 | 4.8 | 67 |
| / E | 45 | 4 4 | 49 | 50 | - 72 | 54 | 64 | 55 | 64 | 5.3 | 5 | 45 | ₹ 5 |
| 67 | 45 | 43 | 51 | 5.3 | 5.7 | 63 | 68 | € 8 | 59 | 5.5 | 5.5 | 46 | 6.8 |
| £, ĉ. | 5.7 | 4.3 | 45 | 47 | - 4 | 56 | 6.5 | 60 | 58 | 56 | 4.6 | 51 | 6.5 |
| 6.0 | 50 | ₹ (| 48 | 47 | 5.1 | 54 | 64 | 74 | 59 | 5.2 | 51 | 79 | 74 |
| 7(| 4.2 | 44 | 46 | 47 | - 51 | 58 | 58 | χÇ | 5.6 | £ 5 | 57 | ~4 | £ 3 |
| 71 | 4 % | 4.8 | 49 | 4.5 | 55 | 59 | 5.7 | 6.8 | 64 | | | 47 | |
| 72 | 4.2 | 4.2 | 45 | 5.0 | 59 | 57 | €2 | 60 | 5€ | 51 | 40 | युद | 5.7 |
| 7.3 | 47 | 4.3 | 50 | 45 | 46 | 52 | 50 | 65 | 56 | 5.8 | r | 47 | ę. r |
| *4 | 4 1 | 45 | 47 | 45 | 49 | 60 | €.5 | 63 | 54 | 5.7 | 47 | 44 | 8.6 |
| 75 | 46 | 41 | 39 | 44 | 45 | £ 4 | 61 | 63 | 5.5 | 57 | 45 | 46 | 6.1 |
| *6 | 4.2 | 41 | 43 | 44 | 50 | 5.7 | 58 | <u> </u> | 5.2 | <u>g (a</u> | 46 | 43 | 5.5 |
| 77 | 4.3 | 3 🕶 | 41 | 46 | 5.2 | ķ., | 5.9 | εl | 57 | 5.5 | 4.8 | 42 | 61 |
| 78 | 4.0 | 3.8 | 43 | 46 | 49 | €. | 6.9 | 61 | 57 | 5.3 | 45 | 4.5 | £ ! |
| 79 | 41 | 4.2 | 44 | 47 | 53 | 67 | | 64 | 6.5 | 5.2 | 52 | 49 | 67 |
| MEAN | | | | | | | | | | | | | |
| S. D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

EXTREME VALUES

MASIMIM TEMPERATURE

FROM DAILY OBSERVATIONS

237 4 STATION

ADAK, AK

5.

STATION NAME

51-97

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | ост. | NOV. | DEC | ALL MONTHS |
|------------|-------|------|------|-------|-------|------|------|-------|------|------|----------|-------|---------------|
| 3 | 44 | 44 | 45 | 43 | 49 | 59 | 6.8 | 6.3 | 59 | : 4 | 7.7 | 43 | 63 |
| F.1 | j | | 44 | 51 | 5.3 | 59 | 6.8 | 74 | 51 | 57 | 5.2 | 47 | |
| 7 | 47 | 54 | 57 | 51 | ٠2 | 53 | 62 | 66 | \$ 8 | 7.3 | - 5 | 44 | 1.6 |
| | | | | | | | | | | | | | |
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| MEAN | 44.5 | 43.5 | | | | 57.3 | | | | 54.3 | | | 58.1 |
| S D. | 7.094 | | | 3.031 | 4.36 | | | 4.362 | | | | 3.795 | 3.371 |
| TOTAL OBS. | ر و ٢ | Q)4 | 1723 | 990 | 1 2 3 | 090 | 1 23 | 1723 | 39F | 685 | ं इट | 1023 | 11903 |

EXTREME VALUES

PARTHUM TEMPERATURE

FROM DAILY OBSERVATIONS!

.-7 4 4.2

63.

ACAF . AK

STATION NAME

VEADS

YEARS

PHILE DESPEES FAHRENHEIT PRASED ON LESS THAN FULL MONTHS/

| MONTH | JAN | FEB | MAR. | APR. | MAY | JUN | JUL. | AUG. | SEP | ост. | NOV. | DEC. | ALL MONTHS |
|-------|-----|------------|----------|------|---------|----------|----------|------|--------------|----------|----------|---------------------------------------|---------------|
| 7.0 | | | | | | | | | | | 29 | | SYAC |
| ` 1 | | | | | | | | | | 3 | 51 16 | | MAX TEMP |
| ` 1 | | 4 f 1 f | | | | | | | | | | | CAA2 |
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| MEAN | | | | | | | | | | | | | |
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EXTREME VALUES

HINTMEM TEMPERITURE FROM DAILY OBSERVATIONS

CTATION.

G.

STATION NAME

· • • ·

YEARS

WHOLE DEGREES FAMPENHEIT

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | ост. | NOV. | DEC. | ALL MONTHS |
|------------|------|------------|------|------|-----|------|------|------|------|------|------|------|---------------|
| 7. | 27 | 22 | 25 | 26 | 79 | 37 | 40 | 44 | 35 | 3.2 | | 15 | · |
| 1 | 13 | 2.5 | 25 | 24 | 34 | 36 | 37 | 4.7 | 38 | 34 | . 5 | 24 | 1.7 |
| -2 | 23 | 16 | 18 | 25 | 34 | 36 | 78 | 43 | 32 | 35 | 2 ? | 74 | 12 |
| - 3 | 15 | 15 | 20 | 26 | 29 | 3.7 | 42 | 42 | 39 | 35 | 19 | 13 | 1.7 |
| 5.44 | 21 | 1 . | 19 | 29 | 33 | 35 | 4.7 | 39 | 30 | 3.1 | :2 | 17 | ी र |
| ~ <u>5</u> | 17 | 17 | 29 | 27 | 73 | 37 | 3.8 | 41 | 36 | 29 | 31 | 25 | 17 |
| 56 | 2.0 | 26 | 23 | 27 | מי | 37 | 3.9 | 4 | 39 | 31 | 2.3 | ?2 | |
| 5.7 | 2.5 | 11 | 15 | 29 | 34 | 3.9 | 40 | 4 ? | 32 | 33 | 25 | 2.0 | 11 |
| 5.0 | 13 | 14 | 20 | 23 | 71 | 36 | 7.8 | ₹8 | 28 | 7.1 | 23 | 72 | 17 |
| 5.0 | 2.5 | 17 | 13 | 28 | 34 | 37 | 3.9 | 4] | 41 | 29 | 7.8 | 17 | 1 ' |
| £ 5. | 21 | 12 | 29 | 24 | 73 | 37 | 4.2 | 45 | 37 | 31 | 2.3 | 20 | 1 |
| 1 | 25 | 23 | 18 | 27 | .29 | 3.5 | 3.8 | 4? | 39 | 29 | 2.3 | 20 | 1 4 |
| 1 2 | 13 | 17 | 29 | 26 | 37 | 37 | 42 | 9.5 | 34 | 27 | 13 | 25 | |
| - 3 | 3 | 2.2 | 24 | 26 | 25 | 35 | 7.8 | ₹ 3 | 37 | 34 | 24 | 10 | , |
| r 44 | 13 | 7 | 22 | 21 | 2 9 | 37 | 37 | 4: | 33 | 26 | 1.5 | 70 | , |
| ، د | 12 | ϵ | 23 | 50 | 28 | 3.3 | 41 | 43 | 34 | 29 | ?6 | 10 | 5 |
| | 19 | 15 | 22 | 24 | 79 | 3.5 | 39 | 7.5 | 36 | 26 | ?7 | 7. | 16 |
| 67 | 9 | 5 | 18 | ?5 | 34 | 37 | 4.2 | 40 | 35 | 26 | 2.5 | 1.3 | 8 |
| 5 5 | 21 | ?2 | 71 | 22 | 31 | 37 | 42 | ₹ 5 | 35 | 72 | 10 | ?6 | 4.2 |
| 6 9 | 1.3 | 21 | 24 | 2.6 | 30 | 30 | 41 | 40 | 32 | 3.2 | 12 | 14 | 1 7 |
| 7.11 | 13 | 1 5 | 16 | 26 | 74 | 35 | 40 | 43 | 35 | 36 | 25 | 72 | 1- |
| 71 | 21 | 6 | 1 4 | 22 | 20 | 29 | 3.3 | 37 | 27 | | | 13 | |
| 7.2 | 17 | 2.4 | 18 | 25 | 30 | 32 | 47 | ₹7 | 21 | 30 | 13 | 17 | 1 |
| 73 | 15 | 10 | 16 | 26 | 29 | 31 | 36 | 41 | 35 | 32 | 26 | 10 | 1 ~ |
| 74 | 28 | 2.2 | 24 | 29 | 7.1 | 33 | 4 0 | 42 | 36 | 3.0 | , 0 | 1.5 | 1 - |
| 75 | 6 | 15 | 15 | 27 | 7.1 | 36 | 36 | W.c | 34 | 33 | 3.7 | 15 | . |
| 7.5 | 19 | 22 | 7.2 | 2.5 | रव | 3.3 | 34 | 43 | 35 | 2.4 | 18 | | 11 |
| 77 | 17 | 1 8 | 21_ | 24 | 32 | 3.6 | 42 | 46 | 38 | 32 | 24 | 25 | 17 |
| 78 | . 2 | 16 | 14 | 30 | 29 | 37 | 42 | 41 | 36 | 31 | 27 | 74 | 74 |
| 79 | 23 | 25 | 17 | 24 | 35 | 40 | 41 | 4.2 | 35 | 31 | 19 | | * |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS. | | | | | | | | | | | | | |

EXTREME VALUES

HINIMO TEMPERATURE

STATION

ATA . AK

63.

STATION NAME

57-83

VEARS

WHILE DEGREES FAHRENHEIT

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | D€C | ALL MONTHS |
|-----------|-------|-------|----------|----------|----------|-------|----------|-------|----------|-------|-------|----------|---------------|
| 5.5 | 10 | 11 | 25 23 | 25 30 | ?2 ?1 | 37 | 40 39 | 37 | 37 35 | 31 | 24 | 14 20 | 1 |
| | 16 | तृह | 24 | 31 | 28 | 38 | 77 | 41 | 33 | 34 | 75 | 17 | 15 |
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| MEAN | 17.7 | 17. | 30 • B | 26.2 | 30.5 | 35.6 | 75.2 | 40.6 | 35.5 | 30.5 | 22.0 | 18.4 | 12.7 |
| S.D | 6.029 | 5.363 | 4.611 | 2.534 | 3.134 | 2.572 | 2.351 | 3.083 | 2.774 | 2.929 | 4.676 | 4.722 | 4.37 |
| OTAL OBS. | 992 | 9.74 | 1023 | 990 | 1023 | 990 | 1723 | 1023 | 990 | 992 | 930 | 1023 | 1190 |

EXTREME VALUES

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION STATION NAME SO-87

WHOLE OFGRES FAHRENHEIT PRASED ON LESS THAN FULL MONTHS?

| MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | ост. | NOV. | DEC. | ALL MONTHS |
|------------|-------------|------|------|----------|-----|------|------|------|------|------|----------|------|-------------------|
| | | | | | | | | | | | 72 | | DAA2 |
| 71 | | | | | | | | | | c | 16 16 | l | EVAR EALA LEAR |
| 1 | | 12 | | | | | | | | | | | UTAS MÅM AEMB |
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| TOTAL OBS. | | | | | | | | | | | | | |

| 714 | ACA | F , A | ¥ | | | | | | | 73- | 82 | | | | | | | | | ۵۹۰ ن | |
|---------------|--------------|------------------|----------------|--------------|--|--------|---------|---------------------|---------------|--|--------------|--------------|----------------|------|---------|--|--------------|--------------|---------------|--------------------|--------------------------------------|
| STATION | | | | 1 | STATION NAI | rt . | | | | | | | | YE | ARS | | | | | * | ONTH |
| | | | | | | | | | | | | | | | | | | | F | AGE | 1 |
| Temp. | | | | _ | | , | WET BL | JLB TEMPER | RATURE | DEPRES | SION (F) | | | | | | | TOTAL | I | TOTAL | |
| (F) | 0 | 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 23 | 3 - 24 25 | - 26 | 27 - 28 | 29 - 30 |) ≥31 | D.B./W.8 | Dry Bulb | Wet Bull | b Dew Po |
| 51 45 | | • 1 | • 2 | 1 | 1 1 | | | | | 1 | 1 | | - | | | | | 6 | 6 | ì | |
| 4/43 | | .6 | • 1 | | | | | \longrightarrow | | | ↓ | | | ; | | Ļ | <u> </u> | 16 | 16 | 6 | 1 |
| 2/ 41 | .0 | 1.3 | •6 | 1 | ļ ļ | • 🖰 | |]] | | | | | | | | | | 49 | 40 | 20 | 6 |
| <u>~/ 39</u> | | 1.5 | 1.4 | • 2 | | | | ↓ | | ↓ | <u> </u> | | | | | ļ | - | 107 | 107 | 71 | 4.2 |
| 3/ 37 | 1 | 4.0 | 3.1 | • 4 | | ļ | | 1 ! | | | | ļ į | | | | | 1 | 269 | 269 | 151 | 110 |
| 6/35 | | | 5.3 | 1.5 | | | | | | ↓ | <u> </u> | | | | | | + | 4 - 1 | 451 | 233 | 129 |
| 4/ 33 | 3.41 | • | 6.1 | • 6 | i i | | | | | | | | 1 | | | | 1 | 505 | 505 | 447 | 175 |
| 2/ 31 | | | 6.7 | • 2 | | | | | | | - | | | | | | | 428 | 428 | 457 | 330 |
| 0/ 29 | | 4.7 | 4.7 | • 3 | | | | | | | | | i | ļ | | | | 249 | 249 | 366 | 335 |
| 3/ 27 | | 4.6 | 1.6 | _ | | | | | | | | \vdash | _ - | | | | + | 175 | 175 | 323 | 277 |
| 6/ 25 | 9. | 2.4 | • 9 | i | | | | | | | | | 1 | - 1 | | ! | İ | 102 | 102 | 199 | 245 |
| 4/23 | •2 | 1.6 | • 2 | | | | | + | | | | | | | | | + | 49 | 49 | 99 | 220 |
| 2/ 21 | .4 | • 7 | 1 | 1 | 1 1 | | | } | | | - | | i | 1 | | | į | 27 | 27 | 52 | 196 |
| 2/ 19 | •2 | • 5 | | | | | | ++ | | | <u> </u> | - | | - | | | + | 18 | 19 | 21 | 201 |
| 9/17 | •0 | • 3 | 1 | | | } | | | |] | j | ! ! | | i | | i | | 9 | 9 | 10 | 102 |
| 5/ 15 | • 1 | • 1 | | | ├ | | | ++ | | - | - | | | | | <u>. </u> | + | 3 | 5 | . 8 | $\rightarrow \frac{5}{4}\frac{9}{8}$ |
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| 2/ 11 3/ 9 | •1 | •0 | • 3 | | }} | | | ++ | | † | | | | | | | + | +- ₹. | - | · • - - | $-\frac{11}{7}$ |
| 8/ 7 | .5 | | 1 | | | | | | | | | | i | | | 1 | | 1 | • | 1 | |
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| | 5.94 | D.A. | r - 1 | 3.2 | | •0 | | | | | | + | | - | | + | | | 2476 | + | 2474 |
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| | | T - | | | | | | | | | | | | | | | | | | | 7 |
| | i | | | <u></u> | | | | | | | | | | | | <u> </u> | | | <u> </u> | 4 | |
| Element (X) | | Σ_{X}^{2} | | <u> </u> | Σχ | | X | σ _x | | No. O | | | | | Mean | No. of | Hours w | ith Temper | ature | | |
| Rel. Hum. | 1 | 6236 | | | 8000 | 804 | | 2.560 | $\overline{}$ | 247 | | ± 0 F | ≤ 32 | F | ≥ 67 | F | ≥73 F | ≥ 80 F | ≥ 93 | F | Total |
| Dry Bulb | ļ | 2706 | | | 1053 | 32 | | 4 . 627 | \rightarrow | 247 | | | 322. | | | | | | | | 744.0 |
| Wet Bulb | | 2402 | | | 6243 | 30 | | 4 . 67 2 | | 247 | | | 465. | | | | | 1 | | | 744.0 |
| Dew Point | | 1899 | 911 | 6 | 6711 | 27 | • 0 | 6.392 | > | 247 | 4 7 | - 6 | 605. | . 1 | | - 1 | | 1 | | | 744.0 |

| 7 4 STATION | - | in, 1 | | | TATION NAM | | | 73- | 72 | | | YEARS | | · | | | MTH |
|----------------|----------------|-------------------|-------------------------------------|-------|-------------|----------------|----------------------------|--------------|------------|-----------------|------------------|--------------|--------------|----------------|---------------|----------------|-------------|
| | _ | | | | | | | | | | | | | | | A SE 1 | |
| Temp. | | | | | | WET BL | JLB TEMPERAT | | | | | 7 | | TOTAL | | TOTAL | 1 |
| 2/ 51 | <u> </u> | 1 - 2 | 3 - 4 | 3 · 0 | | 9 - 10 11 - 12 | 13 - 14 15 - | 16 17 - 18 | 19 - 20121 | - 22 23 | - 24 25 - 20 | 5 27 - 28 2 | 9 - 30 = 3 | | Dry Builb | Werbuib | Dew Po |
| 9/47 | | | i | | • " | 1 | 1 1 | [[| i | | i | . [| | 1 | 1 | | |
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| 67.45 | | | | • 1 | 1 | | ! ; | 1 | | - ! | | 1 | | 5 | 5 | _ | |
| 4/ 43 | •— | <u> • 2</u> | • 7 | • 3 | + | + - · - | + | - | | - + | | | + | <u>25</u> | . 25 | ∔ . <u>.</u> . | |
| 2/41 | • 3 | | 1.2 | • 1 | _ i | | | 1.0 | | | | 1 | | 3.6 | 38 | . 7 | • |
| . / 39 | • 4 | 1.9 | 1.6 | • 2 | • | | - | | | | | + | | 91 | 91 | 42 | 1 |
| 37 | 7.1 | 3.6 | 3 • 1 | 1.1 | •ជិ | | | | 1 | | | | | 225 | 225 | 137 | 5 (|
| 5/ 35 | . <u>*• 3</u> | P • 2 | 4.7 | 1.1 | | + | | | | | | | | 390 | 390 | 206 | _ 1.39 |
| 4/ 33 | 7.7 | * | ,6•1 | • 5 | 1 | i | | | | | | | | 457 | 457 | 415 | 17 |
| 2/ 31 | . <u>2 • 7</u> | . <u>7 • 7</u> . | 6.2 | •7. | <u>.</u> | - | 1 · · · · · | | | | | · | | 398 | 388 | . 407_ | 31 |
| 7.29 | 1.4 | 5.7 | 3.7 | • ? | | | | | | | | 1 | | 248 | 249 | 359 | 28 |
| -1 27 | 1.6 | 3.2 | 2•↑ | _•3 | | - | 1 | | | | | | • | 154 | 154 | 288 | <u> 25</u> |
| o/ 25 | •6 | 2.3 | 1.3 | 1 | | | | 1 | | | | | | 94 | 94 | 158 | 21 |
| 4/ 23 | . 4 | 2.3 | . 4 | | | | 1 1 | | | | | | | 72 | 72 | 102 | 2 0 |
| 2/ 21 | . 5 | • 9 | • 3 | | | | | | | | | | | 38 | 38 | 79 | 19 |
| 27 19 | • 1 | • 5 | • | | | | | | | | | | | 14 | 14 | 29 | 14 |
| 5/ 17 | • 1 | • 1 | • | | | | | | | | | | | 5 | 5 | 11 | 11 |
| 5/ 13 | • ົ | • 2 | | | | | | | | | | | | 5 | 5 | . 6 | 7 |
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| . / 11 | • ^ | .0 | | | 1 | | 1 | | | 1 | | | | 2 | 2 | 2 | 2 |
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| 1716 | 14.1 | 48.1 | 31.4 | 4.3 | . 1 | | 1 : | i i | | 1 | | 1 | | | 2256 | | 225 |
| | , | · | | | | + | †- - | + | | | | | | 2255 | | 2255 | |
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| | • | | <u> </u> | | | | † - | | | - - | | ++ | 1 | | | • | |
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| | t | • | ļ | | · ÷ | ; | <u></u> | | | | | | | | · | | • • • • |
| | | 1 | | | ļ | | | 1 | | i | I | | į | 1 | : | | |
| Element (X) | | ∑x² | | | Σχ | <u>X</u> | σ _x | No. Ob | | | | Mean N | lo. of Hours | with Tempera | i | | |
| Rel. Hum. | · — — | $\frac{-x}{1456}$ | 3445 | 1 | -x 78941 | 79.4 | 12.706 | 225 | | ±0 F | ± 32 F | ≥67 F | | | | F | Total |
| Dry Bulb | • | | 9729 | | 73429 | 72.5 | 4 . 56 3 | 225 | | | 304.7 | | -/3 [| | | | 672. |
| | | | 9726 | | 3842 | 73.5 | 4.584 | 225 | | | 437.6 | | | - | -+ | | 672. |
| Wet Bulb | | | 7.25 | | 57875 | 26.6 | 6.223 | 225 | | | 561.4 | | | | \rightarrow | | 672. |

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| C7 4 | A? | 4 - • | AV | | TATION NAME | | | | 73-32 | | | YEARS | | _ | | | M : | |
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| STATION | | | | • | TATION NAME | | | | | | | ***** | | | | | TACE HOURS | ì |
| Temp | | | | , | | | | | DEPRESSION | | · · | – | + | | TOTAL | | TOTAL | |
| (f) | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 9 | - 10 11 - 1 | 2 13 - 14 | 15 - 16 | 17 - 18 19 - | 20 21 - 22 | 23 - 24 25 | 26 27 | 28 29 - 3 | 0 231 | | Dry Bulb | Wet Buib | Dew Po |
| 557 55 | 1 | • 1 | | | | | | | 1 | | | | | | 3 | 3 | | |
| 14/ 53 | | • 1 | <u> </u> | | \vdash | | | | | | | | - | | | 2 | | |
| 2/ 51 | 1 | • 1 | i | | | İ | 1 1 | 1 | | | , 1 | 1 | 1 | | ? | ." | ? | |
| 5:1 49 | | | | | | <u> </u> | | + | | | | - | | - • | + | | . 1 | |
| 4-/ 47 | | • 1 | | _ | | 1 | İ | 1 | i | | | | | | 4 | | 1 | |
| 45/ 45 | • - | • 2 | | • • | | | | i | + | | | | | • | } | . 12 | 5 | |
| 44/ 47. | • 2 | • 7 | • 6 | • 1 | | | | 1 | | | | | | | | 37 | 1.3 | |
| 42/41 | . 4 | 1.6 | 1.3 | • 9 | - | | | + | | | • | | | | 103 | <u>- 103</u> | $\frac{33}{23}$ | |
| 40/ 39. | 1 • 1 | 3.8 | 3.5 | • 6 | | 1 | | 1 | | | | 1 | | | 223 | 223 | 77 | |
| 757 371 767 35 | 7.2 | 6.9 | 4.9 | • 5 | | | | | | | | + | | | 3 2 5 | 785 | 268 | - · · · |
| | | 11.7 | 7.1 | •5 | | i | | - | | | | Ì | | | 548 | 548 | 353 | |
| 34/ 33 72/ 31 | | 1 - 9 | 6.5 | . 4 | | | - | | | | | _ - | | | 272 | 491 | 545 | |
| | 1 • 1 | 4.6 | 4 . 5 | . 4 | | 1 | | i | | | | 1 | | | _ | | | |
| 70 / 29 78 / 27 | . 4 | 3.5 | 2.7 | • 2 | | | | | | | | | | - | 169 | 169 | | |
| 76/ 25 | . 4 | | 1.0 | •0 | | į | | | | | | ì | | | | | | |
| | - 4 | 1.6 | | | - | | | | | + | | - | | | <u>65</u> | • | • | • |
| 747 23 727 21 | • 4 | 1 • 1 | | |] | i | | ł | | | | | 1 | 1 | 41 | | | |
| $\frac{2}{20}$ / $\frac{21}{1}$ | | <u>• 5</u> | | | | | | | | | | | - - | | 14 | • | + · · · · · · | |
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| 16/15 | <u>• 1</u> | • 1 | | | | | | <u>;</u> | | | | | | + | 3 | | . , | · , |
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| $\frac{147}{127}, \frac{13}{11}$ | | | | | | | | | <u>-</u> | | | | - | + | -i | | • | <u> </u> |
| 107 11 107 9. | | | | | | 1 | | 1 | | 1 | | | 1 | ! | | 1 | | |
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| | 17.7 | 7 | 2 7 7 | 7 3 | | | | | | - + | | | - | - - | | 2479 | • · | - 24 |
| | 1 . | | 3 3 • 2 | 3.0 | | | | 1 | i | 1 | ' i | | | 1 | 2479 | | 2491 | ٠ ٣٠ |
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| Element (X) | | Σ_{X}^{2} | | | ΣX | X | σ_{x} | | No. Obs. | 1 | | Me | an No. of | Hours w | rith Tempera | ture | | |
| Rel. Hum. | | | 1247 | | 94231 | 90.0 | 11.6 | 15 | 247 | 501 | ≤ 32 | F È | 67 F | ≐73 F | ≥ 80 F | ≥ 93 | F | Total |
| Dry Bulb | | | 8102 | | 85406 | 74.5 | 4.4 | | 2477 | | 201 | . 4 | | | | | | 744. |
| Wet Bulb | | | 6015 | | 80379 | 72.4 | | | 2480 | | 347 | | | | | | | 744. |
| Dew Point | | 212 | 9918 | | 71100 | 28.7 | 6.0 | 7.6 | 2480 | | 554 | 7 | | | | - | | 744. |

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| 4,7 45 | т .च <u>т. वे</u> — 4 | | | | | + + | | + | | 1 P | 3 9 | - ··· - · | |
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| 717 27 | 1.5 9.2 7.4 | 2.1 . | | | | | | | | 486 | 489 | 200 | 14 |
| 357 35 | 1.810.2 8.3 | | | <u> </u> | <u></u> | | | | | £-39 | 109 | 473 | 22 |
| 347 23 | .6 7.4 7.7 | ; | , | | | | , | | | 3 74 | 774 | 497 | 27 |
| 727 31 | .1 3.2 2.9 | • 2 | ., | · | | | | | | 155 | 155 | 383 | 32 |
| 77/24 | .2 1.3 1.3 | | | i | | | | | | 75 | 7 9 | 244 | 30 |
| 27/ 27 | •3 1•3 •3 | ··· | | · | | | | | **= | 31 | 31 | <u> </u> | 2 ? |
| 7.7.25 | • 2 • 1 | | | | | | | | | 7 | 7 | 41 | 25 |
| 4/ 23 | <u> </u> | | | <u> </u> | | | - · → | | | 4. | | 1. | 1 : |
| 2/ 21 | | | | | | | | | | | | 1 | 1.3 |
| 207 IB. | | 4 | | | | | | | | | | | |
| 11/17 | · · · · · · · · · · · · · · · · · | | | | | | | | | | • | - | 2 |
| 5/ 15 | | a . 7 . 5. | | · | | | | | · · · · · · · · · · · · · · · · · · | 240C | 2400 | 2400 <u>.</u> | 2 |
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| 12/43 | | .7 2.1 | -1 | | + | ·· | • | | | | <u>301</u> | <u>301</u> | <u>104</u> 202 | . 41 |
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| 3-7 321 | .2 7.5 1 | .2 . | | | + | | | *· - ·*- | | | 120 | 100 | 317 | 447 |
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| i | • 1, • 1 | | i | | | | | | | - | 4 | 4 | 44 | 234 |
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| Element (X) | - <u>-x</u> , | | Σχ | X | $\sigma_{\mathbf{x}}$ | No. Obs. | | · · · · · · · · · · · · · · · · · · · | Mean No. | of Hours w | ith Tempera | ture | | |
| Rel Hum | 1 4511 | | 32 <u>163</u> | | 10.963 | 2487 | 5 O F | ± 32 F | ≎ 67 F | ≥73 F | ≥80 F | 2 93 | F | Total |
| Dry Bulh | 75477 | | 98589 | 79.8 | 3.35 1 | 2487 | | 9.9 | | <u>† </u> | 1 | | | 744.0 |
| Wet Bulb | 34965 | | 92763 | 77.4 | 3 . 28 0 | 2487 | | 49.5 | | | <u> </u> | | | -44.7 |
| Dew Point | <u> </u> | 36 | 84468 | 74.1 | 4.503 | 248 | | 257.7 | | | | | | 744.0 |

| Temp. | • | | | | | WET | BULB | TEMPERATI | JRE DEF | RESSION | ۷ F | | | | | | | TOTAL | | TOTAL | |
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| F | 0 1 . : | 2 3 | - 4 5 | 5 6 7 | . 8 9 | 10 11 - | 12 13 | 14 15 - | 16 17 | 18 19 | 20 21 | 22 23 | - 24 25 - | 26 27 | 28 20 | 30 | 31 [| D.B W B | Dry Builb | We Bulb | Cow P |
| 14/ 5 | | • .1 | | | | | : | | - | | | | | | | | | 1 | 1 | | |
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| 5-7 587 | | . 3 | • 1 | • 1 | • 1 | • | • | | | | • | • | • | • | • | | * | 1.7 | 17 | ٠. | |
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| 2.7.32 | 4 | | | | | | | | | | | | | | | | | | | | Ŀ |
| 7/25 | | • t2 | - | | | | | * : | | | | | - | | • | • • | | 1 6 | ំ រឹង | | |
| 3-1-11 | • • | . 7 | | | | | | | | | | | | | | | | | | 1 3 | 7 1 |
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| Element X | Σ _{x} ² | | | Σ, | | <u> </u> | | cr _x | N. | Obs | | | | | lean No | of Hou | ra with | Tempera | nture | | |
| Rei. Hum | | 1749 | , 5 , 5, | | x 1955 | | 7 1 | 18 2 | | 24an | | 0 F | ≟ 32 F | | - 67 F | : 73 | | : 80 F | ··· | F | Total |
| Dry Buth | | 78 | | | 6711 | . 4 | | 726 | | 24) 0 | | | - 32 | _· | Ť | . '' | • | | | • | 720. |
| Wet Bulb | - 7 | 311 | - - - - | | 1375 | | | 7.425 | | 24 10 | | | ļ . • | | | • | •- | | | • | 7, ~ |
| ***** 5010 | - | 11 | - | | 5114 | | | 1.165 | | 2477 | | | 17 | | | 4 - | + | | | - • | 7.20 |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

| Element X | Σχ2 | - x | X | σ _x | No. Obs | | | Mean No. | of Hours wit | t Temperature | |
|-----------|----------|--------|-------|----------------|---------|-------|--------|----------|--------------|---------------|-------|
| Rei. Hum | 17074955 | 200955 | - 3.7 | 17.182 | 2400 | : 0 F | - 32 F | ≐67 F | :73 F | :80 F : 293 F | Total |
| Dry Butb | 4"78101 | 166711 | 4.5 | 3.726 | 2430 | | 7 | • | • | • | 720.0 |
| Wet Bulb | 411 35 | 101375 | 42.2 | ₹.425 | 24.7 | | 9 | | | • | 7.7. |
| Dew Point | 7 11 63 | 95114 | 79.6 | 4 . 165 | 2477 | | 17.1 | • | | | 720.0 |

| • | 47.4 | . , 1 | 4 + | | | | | | 73- | 2 | | | | | | | باز ل | L |
|------------------|------------|----------------|---------------|---------|-------------|----------------|--------|----------------|--------------|---------------|----------------|----------------|------------|-------------|--------------|------------|-------------|-------|
| ON | | | | s | TATION NAME | | | | | | | YE | LARS | | | | HON | TH |
| | | | | | | | | | | | | | | | | | HOURS | |
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| 8.7 | | | | | • 3 | | | | | | | | | | 1 | 1 | | |
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| 5.9 | | • 3 | • ? | • 1 | | | • ~ | • 1 | · · · · | | | _• | · | <u>i</u> | 17 | 17 | <u> </u> | |
| 57 | • 1 | • 3 | . 4 | | | • 1 | | 1 | | i | • | | | , | 3.0 | 3.0 | 1.2 | |
| 55 | • i | 1.5 | 1.7 | 1.1 | • 2 | • 1 | • 1 | | | | | <u> </u> | | | 119 | 119 | 31 | |
| 5.7 | • 2 | . bi | s | 1 • 1 | | i | • "! | į | | | | i | | | 171 | 171 | 67 | |
| 51 | | | 5 • 5 | | | | | <u> </u> | | | | | | | 3.05 | 305 | 142 | |
| 4 , | | | | 1.1 | • ! | | i | ł | ! | | | | | | 447 | 447 | 260 | 1 |
| 47 | 1 - 1 | | | | | | | | | | | | : | | 5,04 | 504 | 493 | 2 |
| 4 5 | 1.81 | | | • 1 | | | | i | | | : | 1 | | | 523 | 5.23 | 621 | 4 |
| 4 1 | 1.8 | | | | · | | | | | | | | | | 256 | <u>?56</u> | 564 | _ 5 |
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| + (X) | Σ. | x ² | + | | Σx | , X | 7 | σ_{x} | No. Obs | - ! | | | Mean No. | of Hours wi | th Tempera | ture | | |
| um. | | | 7426 | | 10473 | 24 | . 9 | 9.785 | 2479 |) <u>-</u> | 0 F | = 32 F | ≥67 F | -73 F | ≥80 F | ≥ 93 | F | Total |
| ulb t | | 537 | 7062 | ī | 20352 | LB, | • 5 | 4.337 | 248 | | | | 3.0 | | | A | | 744 |
| ulb | | | 3956 | | 14672 | | • 2 | 3.246 | 246 | | i | | 2.4 | 2.4 | | | | 744 |
| oint | | 4947 | 7436 | 1 | 09110 | 44 | 0. | 4.358 | 246. | | | 2.4 | 2.4 | 2.4 | | | | 744 |

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| Temp. | | | | | | | | | | RE DEPRESSION | | | | | TOTAL | | TOTAL | |
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| 78/ 7 | | | : | 1 | į. | | • 1 | | | | | | | | . 2 | 2 | | |
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| + 47 6 | 67. | | • | 1 .0 | | | | | | | | | | | 3 | 3 | 1 | |
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| F . / 1 | 55 | • 1 | 7. | 3 7.7 | 1.1 | • 3 | | | | | | | | | 168 | 160 | 5.4 | 2. |
| :4/ 5 | | . 1 | 5. | 5 4. | 1.0 | • 2 | 1 | | | | 4 | | | | 295 | 295 | 9.4 | . 54 |
| 127 | 5 j | • 1 | 12. | 2, 7.4 | • 9 | | | | | | | | | | 536 | 538 | 303 | 134 |
| ė , 1 | 4 7 | . 4 | 17. | 7.5 | • 2 | | | | | | | | | | 645 | 645 | 527 | 319 |
| 44/ 6 | 47 | . 5 | 16.7 | 7 2.3 | | | | | | | | • | | • | 461 | 461 | 735 | 509 |
| 41/4 | 4.5 | • 5 | | l) • 6 | | | | | | | | | | | 2 04 | 234 | 567 | 683 |
| 547 B | 43 | • 7 | | | | | | | | | | | • • • • | • | 40 | 4 (1 | 143 | 475 |
| • | 4] | • 1 | . • 2 | 2 • 1 | | | | | | | | 1 | | | 11 | 11 | ى [| 181 |
| 407 | 7 | | • : | . - 3 | | | | | | | | T | | - | 6 | 6 | 6 | 5 3 |
| 3.1 | | | | | . ! | | | i | <u></u> | | | | i | | | | 5 | 1.3 |
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| Rel Hun | | - | | 6 319 | <u> </u> | 17941 | | | 7.788 | 2480 | ± 0 F | ≤ 32 F | ≥ 67 F | ≥73 F | ≥80 F | ≥ 93 | | Total |
| Dry Bull | b . | | | 3959 | <u> </u> | 25 73 | | | 3.515 | 2480 | | <u> </u> | 3.6 | 2.4 | 2 • 1 | 4 | | 744. |
| Wet Bul | | | | 5632 | | 1 6 2 | | + | 3.331 | 248 | | | 2.4 | 2.4 | | | | 744.0 |
| Dew Poir | int | | 5.36 | 52328 | 1 | 14554 | 9 46 | . 4 | 3.606 | 2480 | | | 2.4 | 2,4 | | | | 744.0 |

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| | | | | | | | | | | | | | | | | | | | | | | | | HOURS | |
|-------------|------------------|------------|------------|-------|--------------|----------|---------|---------|------------|------------|--------|------|----------|------|---------|----------|-------|-------|------------|---------------|--|----------------|--------------|--------------|------------|
| Temp. | | | | | | | | WET BU | | | | | | | | | | | | , | | TOTAL | , | TOTAL | |
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| 141 63 | | | • 1 | • 7 | | | 1 | | | | į | | i | | | | į | | | | | 2 | ' 2 | | |
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| C 7 57 | | • 2 | 1 | | • 1 | | | | ! | | | | i | į | | | İ | | | 1 | : | 10 | 1 | | |
| 5 1/ 55 | • 1 | <u>• 5</u> | | | | | •] | | | | | · | | i | | | _ | | <u> </u> | ļ | | 45 | + | | |
| 147 53 | | 1.5 | | | | 1 | 1 | | | | 1 | | | į | | | | | | ! | : | 159 | | | |
| 527 51 | <u> </u> | | 5.8 | 2.1 | | + | • | | ļ | | | | -↓- | | | ļ | | | - | <u> </u> | <u>. </u> | 289 | + | + | |
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| 47 47 | - 5 | 13.J | 8.7 | 2.3 | • 2 | - | | | <u> </u> | | | | | | | -∔ | | | ļ | <u> </u> | · | 579 | | 425 | |
| 41/45 | | | | | | 1 | 1 | | | - 1 | | | | į | | | | | | | | - 473 | | | |
| 44/ 43 | | 5 • 2 | 3.7 | 1.1 | | ļ | | | 1 | _ | | | | | | | | | ļ <u>-</u> | + | <u>. </u> | 252 | | | |
| 377 41 | • 2 | | | | } | | | | | ; | į | | - 1 | i | | 1 | i | | 1 | | | 8.0 | | | |
| 4:/ 39 | • 2 | 6 | | • 1 | | | | | <u> </u> | | | | - | | | ļ | | | - | <u> </u> | <u> </u> | 41 | 41 | | |
| 31/ 37 | • 1 _i | • 6 | 1 | 1 | <u> </u> | İ | 1 | | | i | | | | - 1 | | 1 | i | | | | ļ | 17 | _ | • | |
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| 347 33 | | | • 1 | | | | | | | | ĺ | | | 1 | | } | | | İ | | i | 3 | 3 | 10 | 5 0 |
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| Element (X) | | Σχ² | . 355 | | Σχ | | _ | X | | σx | _ | No. | | | | | | | | | | rith Tempera | | | |
| Rel. Hum | | | 4325 | | 9443 | | | | | . 74 | | | 400 | | : 0 | F | ≤ 32 | F | ≥ 67 | F | ≐73 F | ≥80 F | ≥ 93 | | Total |
| Dry Bulb | | | 3434 | | 1446 | | | • 7 | | . 63. | | | 40 | | | | | | | | | | | | 720.0 |
| Wet Bulb | | | 1517 | | 0778 | | | . 9 | - | . 57 | | | 400 | | | | 1 | 1.5 | L | | | | + - | | 720.C |
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| STATION | | | | | S' | TATION NAME | | | | | | YEARS | | | \$ | FASE | 1 |
| | <u> </u> | | | | | | WET 91 | IIR TEMPEDATI | RE DEPRESSION | | - | <u> </u> | | | | TOTAL | |
| Temp. (F) | le- | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 9 | | | 16 17 - 18 19 - | | 3 - 24 25 | 26 27 28 29 | - 30 ≥ 31 | D.B. W.B. | Dry Bulb | | Dew Poin |
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| | 4 3 | .4 | 6.7 | 7.7 | 3.5 | • 3 | | | | | | | | 4 72 | 492 | 285 | 101 |
| 47/4 | ¥] | ۰ | 5.6 | 9.2 | 2.9 | • 1 | | • | | | | | | 456 | 458 | 411 | 187 |
| 4 / 7 | ? (\$ | . 4 | 5.0 | 7.3 | 2.0 | . 1 | | | | | | | : | 367 | 367 | 484 | 332 |
| 39/ 3 | 3 . | • 2 | + . 3 | 2.5 | . 4 | - : | | | | | | | · · · · · · · · · · · · · · · · · · · | 181 | 181 | 443 | 346 |
| | 3.5 | • ? | ?•7 | 1.2 | • 1 | | | <u>.</u> | | - - | | | | 105 | 105 | 293 | |
| 347 3 | | • 2 | | . 4. | | i | | ! | | | | | | 4.9 | 49 | 161 | 350 |
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| | | | Σ_{X^2} | | | Σχ | X | σ_{x} | No. Obs. | 1 | | Mean No | . of Hours w | ith Temperat | ture | | |
| Element () | X: | | - X | | | | | 10.683 | 2480 | ± 0 F | ≐ 32 | F : ≥67 F | ≥73 F | ≥80 F | ≥ 93 / | F | Total |
| Element () | | | 15.16 | 1 | | 91479 | 77.2 | | | | | | + | + | | - | |
| Ref. Hum Dry Bulb | 1. | | 454 | 3148 | 11 | 05704 | 42.6 | 4.153 | 2480 | | 9 | .9 | | | | | 744.0 |
| Rel. Hum | 1. b | | 15 16 454 774 | 1 | 1 ! | | | | | | | .9 | | | | | |

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NA . HAGA 73-97 STATION STATION NAME PASE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 56/ 55 52/ 51 K11 45 • 2 • 1 12 12 46/ 47 15 45/ 45 .6 1.2 . 3 2.9 1.3 72 72 28 44/ 43 2.7 2.5 5.3 176 176 79 39 427 41 3.0 5 = 1.7 1.6 113 255 265 47/ 39 471 7.1 2.2 471 222 91 3.7 8.5 317 8.7 1.6 494 494 1.7 • 1 169 418 8.3 367 35 6.5 1.2 406 406 452 246 34/ 33 5.5 4.6 263 263 492 337 . 6 2.1 327 31 124 2 R 1 124 364 30/ 29 1.2 176 53 5 3 341 29/ 27 27 83 257 . 6 27, 25/ 25 25 192 • 3 9 10 247 23 4 96 22/ 21 4 4 3 87 70/ 19 18/ 17 53 22 167 15 14/ 13 12/ 11 Trital 7.542.340.8 9.0 24001 2400 2400 2400. σ_{x} Mean No. of Hours with Temperature <u>x</u> No. Obs. Element (X) 14062482 77.9 Rel. Hum. 136884 11.37 2400 ≾ 32 F Total 2400 37.7 3450630 90470 4.398 66.9 720.0 Dry Bulb 3005528 84332 35.1 4.196 2400 174.9 720.n Wet Bulb 2402065 437.4 74681 2400 720.0

NAVWEASERVCOM

13.

WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point 49/ 47 •0 45/ 45 <u>•</u> 1 8 44/ 43 38 2.5 42/ 41 1.3 101 101 36 1.5 4.3 3.1 401 39 50 227 139 227 38/ 37 1 . C 390 390 191 116 76/ 35 .817.3 6.5 1.1 462 283 462 140 9.0 8.3 34/ 33 487 487 525 206 32/ 31 30/ 29 5.6 5.1 4.2 3.9 5.1 • 3 . 6 288 298 405 344 214 214 322 318 231 27 1.7 3.2 128 128 257 244 267 25 . 7 1.5 45 169 256 . 1 . 8 24/ 23 59 25 25 194 22/ 21 .9 27 25 2 23 24 20/ 19 . 6 14 14 16 159 18/ 17 96 19 16/ 15 3 5 ? 14/ 13 32 12/ 11 21 10/ 9 8/ 7 6/ 2474 2473 TOTIL 5.451.238.2 4.2

73-62

Mean No. of Hours with Temperature Element (X) No. Obs. 14126517 191333 11.227 2471 ≤ 32 F Rel. Hum. Total 2943999 2474 227.4 84561 34.2 4.66 Dry Bulb 744.C 78771 31.9 4.711 387.2 Wet Bulb 2563717 2473 744.3 1981603 68233 27.6 6.327 2473 582.7 744.0

6.

ADAF, AK

25704

23714 ADAH, AK 73-82 ALL
STATION STATION NAME VEARS MONTH
PAGE 1

| | | | _ | | | | | | | | | | | | | | | | | | | (LST) |
|-------------|-----|----------------|-------|-------|-------|--------|------|------------|---------|---------|------------|----------|----------------|------|---------|---------|----------|---------|------------|----------|---------|-----------|
| Temp. | | | | | | | | LB TEMPE | | | | | | | | | | | TOTAL | | TOTAL | |
| (F) | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 · 8 | 9 - 10 | | | 15 - 16 | 17 - 18 | 19 - 2 | 20 21 | - 22 23 | - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | - | , | Dew Point |
| 9.17 89 | | | | | | _ | • C | | | | İ | | | | | | | | 1 | 1 | 4 | |
| 38/ 87 | | | | | | • ~ | | | | | ⊢ _ | | $-\!\!\!\perp$ | | | | | | 3 | 3 | ļ | |
| 167 85 | | | | } | • ? | | | | | | | | | ļ | | | | | 1 | 1 | 1 | i |
| 24/ 83 | | | | | _ • ℂ | | | | | | ļ | | | | | | | | 1 | 1 | | <u> </u> |
| 37 81 | | | • 7 | •0 | | | | | | | | | | | | | | | 7 | 7 | | i I |
| F37 79 | | | _ • □ | • ⊃ | | | | | | | <u> </u> | | | | | | | | 2 | 2 | | <u> </u> |
| 78/ 77 | | | • ା | | | | | | | | | | | | | | | | 1 | 1 | į. | 1 |
| 75/ 75 | | | | | | | | | | | | <u> </u> | | | | | | | | | 8 | |
| 74/ 73 | | | | | | | | | | | ļ | | | i | | | | | | | 2 | 11 |
| 72/ 71 | | | | | • 11 | | | | • 0 | | <u> </u> | <u> </u> | | | | | | | 2 | 2 | | 7 |
| 68/ 67 | İ | İ | | • 🗅 | • 0 | | | | | | | | | Ì | | | | | 4 | 4 | 1 | |
| -6/ 65 | | | | •0 | | | •0 | <u>• 5</u> | | | 1 | <u> </u> | | | | | | | 5 | 5 | | |
| 44/ 63 | | • 0 | • ગ | • 0 | | | | | | | 1 | į | 1 | | | | | | 10 | 10 | 1 | |
| .27 61 | | • 3 | | • 0 | | • 0 | •0 | | | | | 1 | | | | | | | 16 | 16 | 7 | L |
| 507 59 | | . 0 | • ⊃ | • 0 |] | . 1 | • 0 | • 0 | | | i | 1 | | | | | | | 39 | 39 | 16 | . 7 |
| 5 1 57 | • 🖯 | • 1 | • 1 | • 1 | | • [| •0 | | | | | | |] | | | | | 103 | 103 | 27 | 16 |
| 14/ 55 | • 7 | . 4 | . 4 | • 2 | • 1 | • ^ | • 3 | | | | | | ĺ | | | | | | 358 | 358 | 109 | 6.2 |
| 14/ 53 | • 3 | 1.0 | • 9 | . 4 | • 1 | • 🖺 | _• ପ | | | | | .i | | | | | | | 637 | 687 | 209 | 130 |
| "27 51 S | - 1 | 1.9 | 1.9 | . 4 | • 1 | • 1 | | | | | | 1 | l | | | | - 1 | · | 1248 | 1248 | 562 | 287 |
| 57/45 | . 2 | 3.1 | 2.4 | • 5 | . 1 | | | | | | L | | İ | | | | | | 1832 | 1932 | 1109 | 601 |
| 45/ 47 | • 2 | 4 . 4 | 1.9 | • 7 | • 1 | | | | | | | | | | | | | | 2144 | 2144 | 1848 | 1049 |
| 46/ 45 | • 4 | 4.6 | 2 • 2 | . 7 | • 1 | | | | | | | . 1 | | i | | | | | 2356 | 2356 | 2360 | 1790 |
| 44/ 43 | . 7 | 3.8 | 2.7 | • A | • € | | | | | | | 1 | | | | | | | 2313 | 2313 | 2271 | 1954 |
| 42/ 41 | • 9 | 3.5 | _3.⊡ | • 8 | - 0 | • 0 | | | | | | | | i | | | | | 2407 | | 2122 | |
| 4:1 39 | . 9 | 4 . 1 | 3.4 | . 7 | • € | | _ | | | | | | ī | Ì | | _ | | | 2680 | 2680 | 2420 | 1989 |
| 39/ 37 | 1.3 | 4 . 8 | 3.4 | • 6 | • 0 | | | i | | | İ | | | | i | | | | 2971 | 2971 | 2815 | 2151 |
| 35/ 35 | 1.1 | 5.7 | 3.6 | . 6 | • 0 | | | | | | | | | | | | | | 3192 | 3192 | 2831 | 2390 |
| 34/ 33 | . 0 | 4 . 8 | 3.4 | • 7 | | | | | | | l | | 1 | İ | İ | | . 1 | | 2734 | | 3423 | |
| 72/ 31 | • 5 | 7.8 | 2.4 | • 2 | | | | | | | | | 1 | | | | | | 1713 | 1713 | 2529 | 2764 |
| 307 29 | . 3 | 1.8 | 1.3 | • 1 | | ĺ | | | | | | | + | } | | | ĺ | | 1019 | 1020 | 1641 | |
| 23/ 27 | . 3 | 1.3 | • 5 | • 1 | | | | | | | | 1 | | | | | | | 618 | 618 | 1237 | 1906 |
| 767 25 | • 1 | . 7 | • 2 | | | | | ļ | | | | | | | | | 1 | | 317 | 317 | 723 | 1545 |
| 24/ 23 | • 1 | • 5 | • 1 | | | - | | | | | 1 | | | | | | | | 195 | 195 | | 1172 |
| 2/ 21 | - 1 | . 3 | • [] | | 1 | | | [| | | | | | | | | | | 106 | 107 | 194 | 963 |
| Element (X) | | Σ_{X^2} | _ | | Σχ | | Ÿ. | σx | | No. O | DS. | 1 | | | | Mean | No. of H | ours wi | th Tempera | | | |
| Rel. Hum. | | | | | | | | | | | | 1 | 0 F | = | 32 F | ≥ 67 | F 🕒 | 73 F | 280 F | ≥ 93 | F | Total |
| Dry Bulb | | | | | - | | | | | - | | T | - | 1 | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | \top | | | | | 1 | | | | | |
| Dew Point | | | | - | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

STATION WET BULB TEMPERATURE DEPRESSION (F) TOTAL WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Point ./ 19 • 1 55 56 €4. 724 439 13/ 17 4 ć • 1₁ 15/ 15 • 0 13 13 23 237 14/ 13 9 137 1.3 5 0 12/ 11 • 0 8 107 0 37 7 17 5 4/ 7 ~/- 1 -- /- 5 P.35 .. 033.8 7.1 70273 29202 No. Obs. 2353191 193346940 30.6 11.293 29197 ≤ 32 F ≥ 67 F ≥73 F ≥80 F Rel. Hum. Total 1225.4 Dry Bulb 43813766 1174168 40.2 7.416 29205 6.6 4.9 8760.0 43472333 1105565 77.9 Wet Bulb 7.281 29203 2116.2 4.9 8760.0 4 . P 36335049 1006375 34.5 3.586 29202 .63720.5 8760.0

NAVWEASERVCOM

13

ADAK, AK

MEANS AND STANDARD DEVIATIONS

CRY-OULD TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

| | A.' 2 | re Par | | | | | 75- | 82 | | | | | | |
|--------------|-----------|--------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-------------|
| STATION | | | | TATION NAME | | | | | | YEARS | | | | |
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | .>≥R. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | MEAN | 31.0 | 31.8 | 33.4 | 35.3 | 37.8 | 42.4 | 46.6 | 48.9 | 46.2 | 41. 5 | 37.0 | 33.6 | 38.9 |
| 9 : | . S. D. | 5.021 | 4.643 | 4.455 | 3.441 | 2.776 | 3.108 | 3.728 | 3.302 | 3.436 | 4.095 | 4.378 | 4.946 | 7.05 |
| | TOTAL OBS | 379 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 366 | 310 | 365 |
| | MEAN | 11.7 | 31.5 | 33.7 | 35.1 | 37.7 | 42.2 | 46.02 | 48.7 | 46.0 | 41.3 | 36.8 | . इंद्राह | 38.7 |
| | S. D. | | | | 3.543 | - | | | | 1 | | 4.296 | | 7.07 |
| | TOTAL CBS | 309 | 29 2 | 310 | | 310 | " | 310 | : | 300 | | 300 | 3 29 | 365 |
| | | L | | | | | | | | | | | | |
| - | MEAN | 12.5 | | 33.1 | | 38.7 | | 47.0 | 40.3 | 46. | | 34.0 | | 30.0 |
| | S. D. | | | | | | | | 3.278 | | | 4.193 | | 7.17 |
| | TOTAL OBS | 5-9 | 2 2 5 | 3 ^ 9! | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | | 364 |
| | MEAN | 32.3 | 33. | 35.3 | 37.9 | 41. | 45.5 | 49.6 | 51.5 | 49.2 | 43.8 | 32.1 | 34.4 | 41.1 |
| | S. D. | 4.530 | 4 . 370 | 4.057 | 3.434 | 2.627 | 3.262 | 3.953 | 3.617 | 2.891 | 3.656 | 3.728 | 4.519 | 7.50 |
| | TOTAL OBS | 3 7 9 | 29 2 | 310 | 3 7 0 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 365 |
| | MEAN | 34.5 | 34.5 | 36.6 | 39.1 | 42.5 | 47.3 | 51.4 | 53.0 | 50.4 | 45.2 | 30.6 | 35.7 | 42.5 |
| 1 | S. D. | | | | 3.431 | | . , | | 1 1 | | | | 3.692 | 7.49 |
| - | TOTAL OBS | 310 | | | | | | | | | | | | 365 |
| | : | | | T | | | | | | | | | | |
| | MEAN | 33.7 | 34.1 | 36.1 | 38.8 | 42.0 | 47.0 | 51.1 | 52.6 | 49.8 | 44.3 | 38.6 | 34.9 | 42.0 |
| 1 . | S. D. | 3.641 | 4.040 | 4.125 | 3.446 | 2.954 | 3.565 | 4.124 | 3.561 | 2.960 | 3.664 | 3.559 | 4 . 166 | 7.57 |
| | TOTAL OBS | 310 | 2 2 2 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 31.9 | 365 |
| | MEAN | 32.4 | 32.2 | 34.3 | 36.9 | 40.1 | 45.0 | 49.1 | 50.6 | 47.5 | 42.2 | 37.5 | 34.0 | 40.2 |
| 1 | s. D. | 4.357 | | 1 | | 1 | | 3.695 | 3.149 | | | 3.854 | | 7.33 |
| 1 | TOTAL OBS | 317 | 272 | 313 | 300 | 310 | | 310 | 1 6 | | | 300 | 309 | 365 |
| | MEAN | 72.4 | 71.0 | 38.7 | 35.7 | 75 % | 47.2 | 47.2 | 49.2 | 46.5 | 41.6 | 77 9 | 33.7 | 39.? |
| | S. D. | 4.706 | | | 3.330 | | , | | 1 | | | | 4.945 | 7.06 |
| ٠. | TOTAL OBS | 310 | 232 | i | - | , | | 310 | 1 | | 310 | 300 | 3.09: | 365 |
| | | | | | · | | | | | | | | | |
| ALL | MEAN | 32.7 | 32.5 | 34.5 | | | 44.5 | 48.5 | 50.4 | 47.7 | 42.6 | 37.7 | 34.2 | 40.2 |
| Hours | \$. D. | | | | | | | | 3.816 | | , | , | 4.661 | 7.41 |
| | TOTAL OBS | 2476 | 2256 | 2479 | 24.70 | 2480 | 2400 | 2483 | 2480 | 2400 | 2480 | 2400 | 2474 | 29201 |

MEANS AND STANDARD DEVIATIONS

LETHIULS TEMPERATURES DEG F FROM HOURLY O-SERVATIONS

| , 4 | A ^ & | iž 🛊 🗚 🦠 | | | | | 77- | £ 5 | | | | | | |
|----------|-----------|----------------|---------|------------|-------|-------|-------|---------|-------|-------|-------|-------|---------|--------------|
| STATION | | | \$7 | ATION NAME | | .— | | · — · – | | YEARS | | | | |
| HRS LS.T | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | oct. | NOV. | DEC. | ANNUAL |
| | MEAN | 30.2 | 20.0 | 31.7 | 33.3 | 36." | 40.9 | 44.9 | 47.1 | 43.0 | 30.9 | 34.6 | 31.4 | 36.9 |
| 1 : | S. D. | 3.548 | 4 . 623 | 4.612 | 3.796 | 3.060 | 3.250 | 3.608 | 3.152 | 3.677 | 4.293 | 4.381 | 4.927 | 7.178 |
| | TOTAL OBS | <u>3.1.9</u> . | . 292. | _313 | 320 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 31C: | 3651 |
| | . MEAN " | 10.2 | 29.7 | 31.5 | 33.C | 35.9 | 40.6 | 44.7 | 47.3 | 43.9 | 38.8 | 34.5 | 31.2 | 36.8 |
| ~ | \$ D. | | | | | | | | 3.304 | | 4.319 | 4.371 | 4.957 | 7.143 |
| | TOTAL OBS | 3 29: | 28.2 | 315 | 300 | 310; | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3650 |
| | MEAN . | 20.2 | 23.5 | 31.4 | 33.4 | 16.5 | 41.4 | 45.4 | 47.2 | 43.8 | 39.7 | 34.6 | 31.4 | 37.5 |
| • | 5. D. | | | | | | | | 3.068 | | | | | 7.241 |
| | TOTAL OBS | 139 | | | | | | | | | | | | 3650 |
| | . MEAN | 31.0 | 31.0 | 33.1 | 35.2 | 38.4 | 43.0 | 47.1 | 49.1 | 46.2 | 40.7 | 35.6 | 37.1 | 38.6 |
| • | S. D. | 4.452 | | | | | | | | | 3.832 | 3.890 | 4.658 | 7.341 |
| | TOTAL OBS | | 281 | 310 | | 310 | | | | | | | | 3648 |
| | MEAN | 32.7 | 32.1 | 33.9 | 36.2 | 39.4 | 44.2 | 48.1 | 50.0 | 46.7 | 41.4 | 36.5 | 33.1 | 39.5 |
| 1 ' | S. D. | 3.814 | 3.379 | 4.296 | 3.713 | 3.125 | 3.344 | 3.811 | 3.270 | 3.028 | 3.753 | 3.813 | 3.972 | 7.223 |
| | TOTAL OBS | | 282 | | | | | | | | | | 309 | 3651 |
| | . MEAN | 31.5 | 31.5 | 33.5 | 35.8 | 39.9 | 44.0 | 47.8 | 45.8 | 46.2 | 45.8 | 35.8 | 32.4 | 39.1 |
| : | S. D | 3.945 | 4.021 | 4.260 | 3.734 | 2.964 | 3.360 | 3.689 | 3.139 | 3.095 | 3.749 | 3.793 | 4 . 288 | 7.311 |
| | TOTAL OBS | . 313 | 2:2 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3 <u>651</u> |
| | MEAN | 3. 7 | 37 | 32.2 | 34.5 | 37.5 | 42.6 | 46.5 | 48.3 | 44.7 | 39.2 | 35.C | 31.6 | 37.8 |
| : | s D. | 4.493 | 4.416 | 4.421 | 3.641 | 2.925 | 3.087 | 3.438 | 2.944 | 3.255 | 3.957 | 4.092 | 4.693 | 7.245 |
| | TOTAL OBS | | 252 | | 300 | | | | | | | | | 3651 |
| | MEAN | !9•5 . | 30.1 | 31.9 | 33.5 | 36.4 | 41.4 | 45.3 | 47.3 | 44.0 | 38.8 | 34.6 | 31.5 | 37.2 |
| . • | S. D. | | | | | | | | | | | | 4 . 883 | 7.099 |
| | TOTALOBS | 312 | 252 | 310 | | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 3.06 | 3651 |
| ALL | MEAN | | | 32.4 | | | | | 48.2 | | 39.7 | | 31.9 | 37.9 |
| HOURS | S. D. | | | | | | | | | | | | 4.711 | 7.282 |
| | TOTAL OBS | 24.75 | 2.255 | 2480 | 2400 | 2463 | 2430 | 248C | 2480 | 2400 | 2480 | 2400 | 2473 | 29203 |

NAVWEASERVCOM

73

MEANS AND STANDARD DEVIATIONS

| | DE AMERICA DE LE CHESTA DE LOS | THE RESERVE TO THE PROPERTY OF SCHOOL STATES |)··· 3 |
|--|--------------------------------|--|--------|
| | | | |

| HRSL 5 T.) | | JAN. | FEB. | MAR. | ·· R | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|------------|-----------|--------------|---------|--------------|----------|---------|----------|---------------------|-------|-------|-------|--------|----------|--------|
| | MEAN | ?6.6 | 26.2 | 28.5 | 29.7 | 33.2 | 38.8 | 43.2 | 45.6 | 41.4 | 35.3 | 38 | | 33.0 |
| 4.5 | S. D. | 6.501 | 6.169 | 6.108 | 5.357 | 4 . 265 | 4.000 | 4.151 | 3.484 | 4.842 | 5.384 | 5.737 | 6.386 | 8.444 |
| | TOTAL OBS | 319 | 252 | 310 | 303 | 310 | 300 | 312 | 310 | 300 | 310 | 100 | 310. | 3651 |
| | | | | | | | | | | · | | | | |
| - | MEAN | 26 ⋅ 5 | 26.1 | 28.1 | 29.6 | 33.1 | 39.8 | 43.1 | 45.4 | 41.3 | 35.3 | 75.6 | 27.1 | 33.6 |
| • • | S. D. | | | | | | | | | 4.767 | | | | 8.525 |
| ; | TOTAL OBS | 3.79. | 292 | 31 | 370 | 310 | 300 | 310 | 310 | 300 | 310 | 700 | 372. | 3440 |
| | | - | i | ÷ | | | | | | | | | <u>-</u> | |
| | MEAN | | | | | | | | | 41.4 | | | | 34. |
| • | | 3.708 | | | | | | | | | | | | 6.665 |
| | TOTAL OBS | | <u></u> | 310 | 3.00 | 310, | | 310 | 310 | 700 | 310 | | 175 | 3650 |
| | MEAN | | | | | | | | | | 7. 1 | | | 35.1 |
| | 5. D. | 27.02 | 2/0 | 24.2 | 31.0 | 34. | 40.2 | . 44.7 . 5 54.0: | 4/41 | 43.0 | 20.0 | 21.0 L | 6 417 | 8.661 |
| • | TOTAL OBS | 304 2 | 5 • 413 | 2.401 | 2 60 78 | 4.413 | 100 | 710 | 711 | 4.328 | 316 | 3.300 | 100 | |
| | | 31.5. | 411. | | | 2.4.4. | | | | a | 3 TC | | 329_ | 골호구급 |
| | MEAN | : מידר | 27.6 | | 31.6 | 35.2 | 40-6 | 45.1 | 47.6 | 42.9 | 30.6 | 31.9 | 28.7 | 35.5 |
| 1 | \$ D | | | | | | | | | | | | 5.944 | 9.6.3 |
| 1 | TOTAL OBS | 313 | 2:2 | 31/0 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 229. | 3651 |
| • | | # * # · | | | | | | | | | | | | |
| | MĒAN " | 27.4 | 27.1 | 29.1 | 31.2 | 34.8 | 40.5 | 44.7 | 47.3 | 42.4 | 36.2 | 11.6 | 27.9 | 35.1 |
| | S. D. | | 5 . 466 | 6.023 | 5.770 | 4.604 | 4.519 | 4.458 | 3.67 | 4.523 | 5.292 | 5.442 | 6.547 | 8.678 |
| | TOTAL OBS | .329. | 282 | 310 | 300 | 310. | 300 | 312 | 310 | 120 | 310 | 300 | 309. | 3650 |
| | | | | | | | | | | L i | | | | |
| | MEAN | | | | | | | | | 41.6 | | | | 34.3 |
| 1 : | S. D. | 6.296 | | | | | | | | 4.537 | | | | 8.550 |
| | TOTAL OBS | 310 | 292 | 31.1 | 350 | 310 | 300 | 310 | | 300 | 310 | 300 | 3.79 | 3651 |
| | | | | | | 4 | | | | | | | | |
| | MFAN | 36 • 4 | | | | | | | | 41.3 | | | | 34.0 |
| • • | S. D. | | | | | | | | | 4.712 | | | | 8.449 |
| ; | TOTAL OBS | 310 | _2°2 | <u> 31 U</u> | 300 | 310 | 300 | 310 | | 120 | | 26.0 | 309 | 3651 |
| | MEAN | | | | | | 70 (| 1.41 C | | 41 0 | 76 7 | 31.1 | 37 4 - | 34.5 |
| ALL . | S. D. | | | | 30.4 | | | | | | | | 11 | 8.546 |
| HOURS | TOTAL OBS | | | | | | | | | | | | 6.378 | 29212 |
| | TOTAL OBS | 29.791 | | 2 4 5 (3) | <u> </u> | Z 9 8 U | <u> </u> | 2480 | 295U | 2400 | 2400 | 2400 | <u> </u> | 676 6 |

 $A \triangleq A \leq \frac{1}{2} = A \leq$

77-07

JAN

5147.2%

STATICS NAME

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUENC | Y OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN - RELATIVE | TOTAL NO OF |
|-------|------------|--------|-------|----------------|--------------|------------------|-------------|------------|------|------|-----------------|----------------|
| MONTH | LS.T) | 10% | 20% | 30 - | 40*- | 50 | ¥0° | 701. | 80°. | 90% | HUMIDITY | OBS |
| J. | • | 100.7 | 170.0 | 100.5 | 170 | 49.7 | 9/: 4 | 50.3 | 55.3 | 23.9 | 21.2 | 3.35 |
| | , u | 100.0 | 100.0 | 100." | 1.0.0 | 99.7 | 04 . H | 78.0 | 55.7 | 24.3 | •1• | . 350 |
| | . ~ | 100.0 | 100.0 | 100.7 | 100.a | 99.4 | 02.9 | 77.3 | 54.0 | 25.6 | 81.4 | 377.9 |
| | 1 | 100.0 | 116.0 | 10 0. 0 | 100.0 | 99.7 | 92.9 | 73.4 | 51.9 | 29.2 | 90.4 | 3 '' P |
| | 1 . | 100.1 | 170.5 | 100.0 | 175.6 | 98.7 | 88.1 | 67.1 | 45.2 | 21.6 | 77.8 | 31: |
| • | 1. | 100.7 | 100.f | 100.0 | 9.7 | 98.7 | 92.2 | 77.6 | 46.6 | 19.1 | 78.4 | 309 |
| | 1 2 | 100.5 | 177.2 | 100.0 | 100.0 | 39.0 | 74.2 | 73.4 | 54.2 | 24.2 | , 6 · • £ | 340 |
| | , - | ំរង់ ្ | 100.0 | 100.1 | 150.0 | 19.4 | 03.9 | 80.6 | 52•9 | 23.5 | a . (. | |
| • | | • | • | • | • | • | • | • | | | - | |
| ٠ | | • | • | • | - | • | • | • | • | • | • | |
| | | | • | • | • | | • | • | | • | | |
| • | | • | • | • | • | | • | • | • | • | | |
| 101 | ALS | 155.0 | 170.C | 100.7 | 1.0.1 | ₃₉ ,र | 31.5 | 75.7 | 51.9 | 23.8 | 80.0 | 2474 |

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5147-28 HAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CT OF RELATING | HUMIDITY GR | EA*ER THAN | | | MEAN RELATIVE | TOTAL NO OF |
|-------|-------|---------|---------|---------|-------------|----------------|-------------|------------|------|------|------------------|----------------|
| MUNIH | LST | 10% | 20°. | 30°. | 40°. | 50 | 6Ú . | 70-, | 80°s | 90°, | HUM DITY | CES. |
| 1.5 | : | 15 •7 | 1.10.+1 | 150.0 | 1.0.7 | 9 9. 4 | 76.1 | 76 • 2 | 50.7 | 25.7 | 2.03 | 7:3 |
| | | 10"." | 100.0 | 100.0 | 1 10.1 | 90.9 | 95.0 | 79. | 55.7 | 77•0 | 10.9 | i i |
| | • | 13%•0 | 1.5.5 | 100.0 | 1"0.0 | 78.5 | ōĒ • ⊕ | 78.7 | 51.4 | 25.5 | 87.8 | 232 |
| | 1 | 100.0 | 100.0 | 100.0 | 1 18.0 | 28.9 | 97.9 | 74.0 | 47.0 | 22.8 | 79.4 | 7.1 |
| | 1 | 157.1 | 170.0 | 150.7 | 1~0.1 | 77.5 | 54.4 | 63.9 | 40.1 | 19.5 | 76.4 | |
| | : • | 100.0 | 100.0 | 100.0 | 1 0.0 | 98.9 | e B • 7 | 54.5 | 47.1 | 17.7 | 75.6 | 232 |
| | 1. | 102.0 | 105.0 | 100.0 | 1'3.f | 100.0 | 94.3 | 77.0 | | 24.5 | 79.9 | . a 2 |
| | . ~ | 177.0 | 100.0 | 160.0 | 100.0 | 43.4 | 94.7 | 79.1 | 52.5 | 24.1 | 90.3 | 202 |
| | | | • | | | | | • | | • | - | |
| | | | | • | | | | | | • | | |
| | | | | | | | | | | • | | |
| | | | | | | | | | | | | |
| *5* | Als | : 77.40 | 10000 | 100.7 | 1.0.0 | 9 9. ° | 92.6 | 73.9 | 48.4 | 27.3 | 70.4 | 2512 |

77-7

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS.

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CIT OF RELATIVE | HUMIDITY OR | EATER THAN | - | | Attana Resafire | NOTAL NO F |
|-------|-------|--|-----------|---------|-------------|-----------------|-------------|------------|----------------|------|--------------------|---------------|
| MONTH | LST | 10% | 20°. | . 20 | 40 | 50 | ei | 70% | 801. | 90 . | HOM DIL. | |
| , | | | 17. | 1 0. | 1 - 2 | ٠٠٠ - | 07.4 | √57 | 5,4.7 | 2.0 | 4.3. | : 1. |
| | ٠, | | 1 * * * * | 100. | 177. | 19.7 | 97.4 | ÷ + + 5 | 56.1 | 2%.7 | 6.0 . 1 | :1 |
| | 7 | 10 .0 | 100.0 | ່າພຄ.ຕ | 1 7. | 77.7 | 97.7 | 37.5 | 57.6 | 24.2 | 7.1 | ŧ |
| | | 197.0 | 1:0.0 | 160.7 | 175.5 | 1,0.0 | ⊽≒.•• | 73.1 | 45. | 21.7 | 70.4 | 7 |
| | 1 - | 17.7. | 104.0 | 3 un. | 100.0 | 19.7 | 67.4 | 50•4 | 75.0 | 11.5 | 75.9 | , . |
| | t | 103.0 | 1 *** | 100.1 | 1 3.7 | .9.7 | 01.3 | 3 °•₹ | ?5 . 4 | 11.5 | 76.4 | 71. |
| | | ;::::::::::::::::::::::::::::::::::::: | 100.0 | 1 "0.3 | 1 0.0 | 1.50. | 01.5 | 70. | 4 0 , 4 | 17.4 | ÷ 2, " * | :10 |
| - | | | 111.0 | 160.5 | 1 ng • 0 | 40.7 | 77.4 | ₹.2 | 55.€ | 21.7 | 1.4 | 71 |
| • | | | | | | | • | | | | | |
| | | | | i e | • | | · | i e | | • | | |
| | | | • | | | • | | | • | • | | |
| | | | | | | | | • | | • | | |
| 101 | ALS | | | | | 79.1 | | 76.1 | | | 1₽•3 | ~47 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CY OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN RELATIVE | TOTAL NO. OF |
|--------|----------------|--------|-------|---------|----------------|----------------|-------------|------------|--------------|------|-----------------------|-----------------|
| MONTH | · L.S.T | 10% | 20°: | 30°a | 40°° | 50% | 60°a | 70% | 80% | 90°s | HUMIDITY | OBS |
| · [1.1 | \$ 4 | 100.0 | 198.0 | 100.១ | 150.0 | 100.0 | 08.3 | 79.7 | 50.0 | 19.7 | 90.5 | 3110 |
| · | | 100.5 | 100.0 | 100.7 | 10 0. 3 | 100.0 | 97.3 | 81.0 | 55.0 | 21.0 | 80.9 | 310 |
| | 7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.3 | 79.3 | 54.7 | 23.0 | 91.1 | 350 |
| | 1 - | 190.0 | 100.0 | 130.0 | 99.7 | 99.3 | 97.3 | 67.0 | 42.7 | 15.0 | 77.2 | 300 |
| , | 1 7 | 107.0 | 100.0 | 100.0 | 100.0 | 97.0 | 81.7 | 59.3 | 42.3 | 17.0 | 75.7 | מרצ |
| | 11. | 100.0 | 11.0 | 100.0 | 100.0 | 98.7 | 82.3 | 60.3 | 37.7 | 14.7 | 75.0 | סיינ. סיינ |
| | 1 - | 100.0 | 100.C | 100.0 | 100.0 | 100. | 92.0 | 64.0 | 43.3 | 18.7 | 77.8 | 300 |
| |) ? | 180.0 | | 150.0 | 100.0 | 100.0 | 97.3 | 74.3 | 47.0 | 22.3 | 79.7 | 300 |
| | | | | | | | | | | | | - |
| | | | i | | | | | | | | | |
| | | | | • | • | , | | | | | | |
| | | • | • | | | | | | | | · · - · - · - · · · · | |
| 101 | ALS | 1223.8 | 179.0 | 100.0 | 100.0 | 29.4 | 92.1 | 70.6 | 46.6 | 18.9 | 78.5 | 2470 |

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STATION NAME

73-82

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | 1 | | PERCENT | AGE FREQUEN | CY OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN - RELATIVE | TOTAL NO. OF |
|-------|----------|---------------|---|---------|-------------|--|-------------|---------------------------------------|-------------|--------------|------------------|-----------------|
| MONTH | (L.S.T.) | 10% | 20°° | 30% | 40°° | 50° | 60% | 70% | 80% | 90% | HUMIDITY | OBS. |
| å Y | 0.1 | 100.0 | 178.0 | 100.0 | 100.0 | 100.0 | 99.0 | 90.3 | 70.3 | 24.5 | 84 • 0 | 310 |
| | B.C | 103.8 | 100.0 | 100.3 | 1:0.0 | 100.0 | 99.0 | 90.3 | 67.4 | 24.8 | 84.1 | 310 |
| • | רי | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 88.1 | 64.8 | 26.8 | 83.7 | 310 |
| • | 1" | 137.0 | 100.0 | 100.0 | 100.0 | 100.0 | 93.5 | 75.8 | 50.6 | 16.8 | 79.6 | 310 |
| * | 1 | 100.0 | 190.0 | 130.0 | 1:10.0 | 99.7 | 88.1 | 69.0 | 37.1 | 13.2 | 76.3 | 310 |
| • | 1 ' | 100.0 | 1 70.0 | 100.0 | 100.0 | 99.0 | 90.3 | 64.5 | 40.3 | 12.9 | 76.4 | 310 |
| • | i. | 107.0 | 100.0 | 100.0 | 100.0 | 100.7 | 95.2 | 76.5 | 44.8 | 12.3 | 75.9 | 310 |
| | 2.2 | ! !!!!!•!! | 170.0 | 100.0 | 100.0 | 100.0 | 98.4 | 57.1 | 64.2 | 21.3 | 82.7 | 317 |
| | - | • — | • | • | | | <u>-</u> | <u> </u> | • | | · | • |
| | | | · · · · · · · · · · · · · · · · · · · | | | | + | · | • | | - | |
| | ٠ | : | · ! | | | · - • · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | | <u> </u> | . · · | |
| tot | · | 100.0 | 100.0 | 100.0 | ,100.3 | 99.0 | 95.2 | 80.2 | 54.9 | 19.1 | 80.7 | 2450 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CY OF RELATIV | E HUMIDITY GR | EATER THAN | | | . MEAN | TOTAL NO. OF |
|--------|----------|-------|-------|---------|-------------|---------------|---------------|------------|------|------|----------|-----------------|
| MOITIN | (L.S.T.) | 10% | 20% | 30% | 40% | 50°° | 60°. | 70% | 80% | 90% | HUMIDITY | OBS. |
| JUN | . 1 | 100.0 | 100.0 | 100.0 | 1~0.0 | 99.7 | 99.7 | 97.0 | 79.7 | 37.0 | 87.2 | 300 |
| | 74 | 150.0 | 100.0 | 100.0 | 150.0 | 99.7 | 99.7 | 97.3 | 82.3 | 42.3 | 88.0 | 300 |
| | 27 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 95.7 | 75.3 | 39.7 | 86.9 | 300 |
| | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.7 | 88.3 | 56.0 | 25.7 | 82.2 | 310 |
| | 1 7 | 120.0 | 100.0 | 100.0 | 29.7 | 78.7 | 92.3 | 76.0 | 45.0 | 13.0 | 78.3 | 3^0 |
| | 16 | 100.0 | 100.0 | 100.0 | 9.7 | 98.7 | 93.0 | 77.3 | 45.3 | 14.0 | 78.7 | 300 |
| | I.e | 100.0 | 100.0 | 130.0 | 160.9 | 100.0 | 98.7 | 85.0 | 57.0 | 23.7 | 82.5 | 300 |
| | - ? | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.0 | 71.7 | 32.3 | 86.1 | 320 |
| | | | 1 | | | : | | | | 1 | | |
| | | ÷ | • | | | | | | | | | |
| | | Ť ·· | | | | | | : | | | 1 | |
| | | | 1 | | | | | | 1 | | | |
| 701 | TALS | 109.0 | 1"0.0 | 100.0 | 49.9 | 99.6 | 97.4 | 89.3 | 64.0 | 29.3 | 83.7 | 2400 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CY OF RELATIV | E HUMIDITY GR | EATER THAN | | | MEAN - RELATIVE | TOTAL NO. OF |
|-------|----------|-------|-------|---------|-------------|---------------|---------------|------------|------|----------|-----------------|-----------------|
| MONTH | (L.S.T.) | 10% | 20% | 30% | 40% | 50°° | 60% | 70% | 80% | 90% | HUMIDITY | OBS. |
| JUL | 31 | 100.0 | 100.0 | 100.0 | 150.0 | 100.0 | 100.0 | 98.7 | 86.5 | 37.4 | 98.4 | 310 |
| | - 1, | 100.0 | 172.0 | 130.0 | 1:0.5 | 100.0 | 79.7 | 99.0 | 87.1 | 49.6 | 89.0 | 310 |
| | | 100.0 | 100.0 | 120.n | 170.3 | 100.0 | 100.0 | 99.4 | 84.8 | 40.0 | 88.6 | 310 |
| | 15 | 100.0 | 170.0 | 100.0 | 99.7 | 99.4 | 98.1 | 92.6 | 63.2 | 23.5 | 83.7 | 310 |
| | 17 | 100.0 | 100.0 | 100.0 | 59.4 | 99.0 | 96.8 | 84.2 | 46.8 | 11.9 | 79.6 | 310 |
| | 11 | 100.0 | 100.0 | 100.0 | 99.7 | 99.0 | 97.4 | 80.3 | 47.2 | 12.9 | 79.6 | 370 |
| | ۲۰ | 100.0 | 100.0 | 100.0 | 99.7 | 99.4 | 98.7 | 91.6 | 63.2 | 21.0 | 83.3 | 310 |
| | | 107.7 | 100.0 | 160.0 | 100.0 | 100.0 | 99.7 | 97.7 | 81.9 | 31.0 | a7.0 | 310 |
| | t- | | | | ļ | i | ļ | | | <u> </u> | | |
| | | : | | | <u> </u> | | | | | <u></u> | | |
| | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | |
| тот | TALS | 100.0 | 100.0 | 100.0 | 09.8 | 99.6 | 99.8 | 92.9 | 73.1 | 27.3 | 84.9 | 2479 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CY OF RELATIV | E HUMIDITY GR | EATER THAN | | | MEAN RELATIVE | TOTAL NO OF |
|--------------------|------------|-----------------|---------------------------------------|---------------------|-------------|---|--------------------------|------------|------|-------------|------------------|----------------|
| | (L.S.T.) | 10% | 20% | 30% | 40% | 50°。 | 60° c | 70% | 80% | 90°• | HUMIDITY | OBS |
| ! 1 | 51 | 199.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 88.4 | 35.5 | 88.5 | 310 |
| | 34 | 107.0 | 100.0 | 100.0 | 1000 | 100.0 | 100.0 | 99.4 | 89.7 | 41.0 | 86.7 | 310 |
| | . 7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 88.4 | 42.6 | 89.1 | 310 |
| | 1. | 100.0 | 100.0 | 100.5 | 100.0 | 100.0 | 99.7 | 94.8 | 70.3 | 26.1 | 85.2 | 310 |
| | 17 | -100.0 | 100.0 | 100.0 | 9.7 | 99.7 | 97.1 | 89.0 | 59,4 | 17.1 | 82.3 | 310 |
| | 1 4 | 100.0 | 100.0 | 100.5 | 9.7 | 99.7 | 98.1 | 91.0 | 58.1 | 17.1 | 82.5 | 310 |
| | <u>1</u> a | 100.0 | 170.0 | 100.0 | 100.0 | 99.7 | 99.7 | 96.5 | 72.9 | 24.2 | #5.5 | 310 |
| . = | 2.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 86.8 | 37.7 | 88.2 | 310 |
| : | | · | · · · · · · · · · · · · · · · · · · · | · | | • | • | . | | ·• | | |
| | · | 1 | · - | : | | · • · · · · · · · · · · · · · · · · · · | The second of the second | • | · · | · +- · · | | |
| | | ļ - , | | | | | | ··· | + | | | = |
| : أ يجي بي ريون | | | | : : | | | · | | · | | · | |
| 101 | ALS | 100.0 | 100.0 | | 29.9 | 99.9 | 99.3 | 96.2 | 76.8 | 30.2 | 86.3 | 2480 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| монтн | HOURS | : | | PERCENT | AGE FREQUEN | CY OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN RELATIVE | TOTAL NO OF |
|-------|----------|---------------|----------|---------|-------------|----------------|-------------|-------------|------|------|------------------|----------------|
| | (L.S.T.) | 10% | 20% | 30% | 40% | 50°° | 60% | 70% | 80% | 90% | HUMIDITY | OBS |
| - FP | 01 | 130.0 | 100.5 | 100.0 | 170.0 | 100.0 | 97.7 | 92.3 | 65.3 | 22.7 | 93.8 | 300 |
| | 54 | 160.0 | 100.0 | 105.3 | 1~0.0 | 100.0 | 97.7 | 93.0 | 68.7 | 21.3 | 84.1 | 300 |
| | 11. T | 100.0 | 100.0 | 100.0 | 170.0 | 100.0 | 98.7 | 95.3 | 67.0 | 26.0 | 34 -6 | 300 |
| | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.7 | 83.7 | 46.7 | 12.7 | 79.8 | 300 |
| | 1 7 | 100.0 | 100.0 | 100.0 | 100.0 | 78.7 | 92.7 | 67.7 | 32.7 | 12.0 | 76.4 | 300 |
| | 16 | 160.0 | 100.0 | 100.0 | 100.6 | 99.7 | 92.3 | 73.0 | 30.7 | 13.0 | 76.4 | . 300 |
| | 11 | 100.0 | 100.0 | 150.0 | 100.0 | 100.0 | 99.7 | 87.C | 47.3 | 14.6 | 50.5 | 300 |
| . , | | 107.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 90.7 | 50.0 | 17.3 | 82.6 | 370 |
| | | . | <u> </u> | | · . | · | : | | | | | |
| | | | | | | | | | i | | | |
| i | | : | | | | | ! | | | | | |
| | | 1 | | | 1 | 1 | | | † | | | |
| τοτ | ALS | 100.0 | 100.0 | 100.0 | 170.6 | 99.A | 96.8 | 85.3 | 52.3 | 17.0 | 81.0 | 2433 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | i | | PERCENT | AGE FREQUEN | CY OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN RELATIVE | TOTAL NO. OF |
|---|----------|----------------|---------------------|----------------|-------------|----------------|-------------|------------|----------------------|----------|---------------|-----------------|
| MUNTH | (L.S.T.) | 10% | 20% | 30% | 40° | 50° . | 60% | 70% | 80% | 90% | HUMIDITY | OBS. |
| · • • • • • • • • • • • • • • • • • • • | ים. | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.2 | 79.7 | 47.1 | 11.6 | 79.1 | 310 |
| | | 100.0 | 170.0 | 100.0 | 150.0 | 130.0 | 96.1 | 81.3 | 51.0 | 11.0 | 79.8 | . 310 |
| | | <u> </u> 100.0 | 100.0 | 100.0 | 100.c | 100.5 | 97.1 | 80.3 | 47.4 | 14.5 | 79.€ | 310 |
| | 1 ~ | 100.0 | 170.0 | 100.C | 100.0 | 100.0 | 92.9 | 71.6 | 37.4 | 5.4 | 77.0 | 315 |
| | 1.7 | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 84.5 | 56.5 | 22.6 | 6.8 | 72.6 | 310 |
| · | . 1. | 150.0 | 100.0 | 100.0 | 100.0 | 98.7 | 87.4 | 62.6 | 29.0 | 6.5 | 73.9 | 310 |
| | 1 | 100.0 | 100.0 | 100.0 | 79.7 | 99.4 | 94.5 | 73.2 | 37.1 | 9.7 | 77.1 | 310 |
| | | .:on•n | 170.0 | 100.5 | 100.0 | 99.0 | 94 • 2 | 79.7 | 41.9 | 12.3 | 76.4 | 310 |
| | | | • | | | | | | | | | |
| | • | | | | | : · ·- | | | · ···· · · · · - = · | ļ | i + | |
| | | | | _ | | | ·• | · | + | <u> </u> | | • |
| | | 1 | ; - + | <u> </u> | | - | + | + | | | | |
| to | TALS | 100 . 0 | 1 0.0 | 100.0 | 100.0 | 99.4 | 92.7 | 73.1 | 39.2 | 10.1 | 77.2 | 24 00 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CY OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN RELATIVE | TOTAL NO. OF |
|------------|----------|-------|-------|---------|-------------|----------------|-------------|------------|------|------|------------------|-----------------|
| | (£,S,T.) | 10% | 20% | 30% | 40° | 50°° | 60° | 70% | 80% | 90% | H MIDITY | OBS |
| , 34 | ·• | 100.0 | 150.5 | 100.0 | ຳເລ.ຕ | 100.0 | 94.7 | 75.7 | 46.7 | 16.0 | 78.8 | 300 |
| | 7.4 | 103.0 | 100.0 | 100.0 | 100.0 | 49.3 | 93.3 | 77.3 | 48.3 | 14.7 | 78.8 | 300 |
| ; ; | | 100.0 | 100.0 | 100.0 | 150.0 | 99.7 | 94.0 | 76.0 | 47.7 | 16.7 | 79.4 | <u>. 30</u> |
| - | 1- | 100.0 | 100.0 | 100.0 | 100.0 | 39.7 | 93.3 | 71.7 | 41.7 | 15.0 | 78.1 | 300 |
| | 1 7 | 100.0 | 100.0 | 100.0 | 99.7 | 98.0 | 85.7 | 61.3 | 32.3 | 10.0 | 75.C | 305 |
| | 1.4 | 100.0 | 100.5 | 100.0 | 100.0 | 99.3 | 94.0 | 68.7 | 36.0 | 12.3 | 76 .8 | 300 |
| : | 15 | 100.0 | 100.0 | 100.0 | 100.5 | 98.7 | 92.7 | 72.7 | 39.7 | 14.3 | 77.8 | 370 |
| | | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 95.7 | 76.0 | 42.3 | 14.3 | 78.3 | 300 |
| | | | | | | i | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | i | i | | |
| | | | | | | | | | | | | |
| TOT | TALS | 100.0 | 100.0 | 190.0 | 170.0 | 99.3 | 92.9 | 72.3 | 41.8 | 14.2 | 77.9 | 2400 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUEN | CY OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN - RELATIVE | TOTAL NO OF |
|----------|----------|-------|--------|---------|---------------|----------------|-------------|------------|------|------|--------------------|----------------|
| MOINTH : | (L-S.T.) | 10% | 20°° | 30% | 40°- | 50°. | 60°° | 70% | 80% | 90% | HUMIDITY | OBS |
| PFC : | 7/ 1 | 100.5 | 100.0 | 160.0 | 100.0 | 99.7 | 94.2 | 74.5 | 42.9 | 11.6 | 77.€ | 310 |
| | 114 | 100.0 | 100.0 | 100.0 | 100.5 | 99.7 | 93.5 | 74.1 | 44.3 | 11.3 | 78.0 | <u>খু</u> নহ |
| | | 160.5 | 100.0 | 100.7 | 100.0 | 99.4 | 91.6 | 72.4 | 45.5 | 13.3 | 77.9 | 303 |
| ··· - • | 17 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 92.2 | 69.5 | 43.5 | 14.3 | 77.4 | 378 |
| | 1 7 | 150.0 | 100.0 | 100.0 | 100.0 | 98.1 | 89.3 | 65.4 | 40.8 | 13.6 | 76.4 | 376 |
| | 17 | 100.0 | 100.0 | .100.0 | 100.0 | 9 9. r | 90.6 | 66.7 | 38.2 | 10.4 | 76.2 | 309 |
| | 17 | 100.0 | 100.0 | 100.0 | 1 00.0 | 100.0 | 93.9 | 75.1 | 44.0 | .1.0 | 77.6 | 309 |
| | . 2 | 150.0 | 100.0 | 100.0 | 100.0 | 100.0 | 06.1 | 73.A | 45.3 | 11.0 | 78.0 | 30.8 |
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| τοτ | ALS | 100.0 | 1110.0 | 160.0 | 100.0 | 99.4 | 92.7 | 71.4 | 43.1 | 17.1 | 77.4 | 2471 |

11.4 ALAN, AF STATION

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STATION HAME

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ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENT | AGE FREQUENC | Y OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN - RELATIVE | TOTAL |
|-------------|-------|-----------------|--------|---------|--------------|---------------|-------------|------------|------|---------|-----------------|--------------|
| MUNIT | LSTI | 10% | 20% | 30% | 40°° | 50% | 60°, | 70% | 80% | 90% | HUMIDITY | NO OF OBS |
| | 1.1 | _10 ^• 0 | 100.0 | 100.0 | 100.0 | 49.3 | 93.2 | 75.7 | 51.9 | 27.8 | | 2474 |
| | | 100.0 | 170.0 | 100.0 | 100.0 | 99.0 | 92.6 | 73.9 | 48.4 | 23.3 | 79.4 | 2235 |
| | | 160.0 | 100.0 | 100.0 | 170.0 | 99.8 | 95.3 | 76.1 | 49.9 | 21.5 | 90.0 | 2478 |
| P | | 100.0 | 1 10.0 | 100.0 | 100.0 | 99.4 | 92 • 1 | 70.6 | 46.6 | 19.9 | 78.5 | 2475 |
| A > . | | 101.0 | 100.0 | 100.0 | 100.0 | 99.8 | 95.2 | 8 0 • 2 | 54.9 | 19.1 | 89.7 | 2480 |
| JUN. | | 100.0 | 100.0 | 100.0 | 79.9 | 99.6 | 97.4 | 89.3 | 64.0 | 2 R • 3 | 83.7 | _1410 |
| Jit. | | .ton•¶ | 100.0 | 100.0 | 9.00 | 99.5 | 98.8 | 02.9 | 70.1 | 27.3 | A4.9 | 2479 |
| <u>ئا</u> ، | | 101.7 | 100.0 | 100.0 | 39.9 | 99.9 | 99.3 | 96.2 | 76.8 | 30.2 | 86 • 3 | 2480 |
| ٠٢٤. | | 100.0 | 105.3 | 100.3 | 100.0 | 99.9 | 96.8 | 85.3 | 52.3 | 17.0 | 81.0 | 2400 |
| ∍ς τ | | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.7 | 73.1 | 37.2 | 17.1 | 77.2 | 2480 |
| | | 100.0 | 100.0 | 100.0 | 170.0 | 99.3 | 92.9 | 72.3 | 41.5 | 14.2 | 77.9 | 2400 |
| ifn. | _ | 190.0 | 100.0 | 100.0 | 170.0 | 99.4 | 92.7 | 71.4 | 43.1 | 12.1 | 77.4 | 2471 |
| for | ALS | 100.0 | 120.0 | 100.0 | 100.0 | 99.5 | 94.9 | 79.8 | 53.3 | 20.5 | 80.6 | 29197 |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION JANJAGY 1973-01 CLMLF - 16 .

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

| WIND DIRECTION | | | | | |
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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

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PERCENTAGE PREQUENCY OF AIR TEMPERATURE VS.

> WIND DIRECTION WIND DIRECTION

WIND DIRECTION . . .

3

نظر منتاج بالمنبيح النباج والمارية

7.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

٧s.

WIND DIRECTION

JANUARY 1973-DECEMBER 1982

| ### STATE OF THE PROPERTY OF T | | | | | | | | | | | | |
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| 77.1 9. 7.4 3.5 V 12.4 24.2 9.8 4.7 2457 100.0 | | | | | | | • | | | | | |
| 17.1 9. 7.4 3.0 V. T. 12.4 24.2 9.8 4.7 2457 100.0 | | | | | | | | | | | , | |
| 17.1 9. 7.4 3.0 V. 12.4 24.2 9.8 4.7 2457 100.0 | • | | · | 1 | | | | | | | | |
| 17.1 9., 7.4 3.0 V.m 12.4 24.2 9.8 4.7 2450 100.0 | • * | | | | | | | | | • | • | |
| 17.1 9. 7.4 3.5 V 12.4 24.2 9.8 4.7 2457 100.5 | | | | | | | | | | | | |
| 17.1 9. 7.4 3.5 V 12.4 24.2 9.8 4.7 2457 100.5 | | | • | - | | | - | | | | | |
| 7.1 9. 7.4 3.0 V.T 12.4 24.2 9.8 4.7 2457 100.0 | | | | | | | | | | | | |
| 17.1 9. 7.4 3.5 V. T. 12.4 24.2 9.8 4.7 2457 100.5 | | | | | | | | | | | | |
| 17.1 9., 1.4 3.0 V.m 12.4 24.2 9.8 4.7 2450 100.0 | • | | - | | | | | | | • | • | • |
| 17.1 9. 7.4 3.5 V 12.4 24.2 9.8 4.7 2457 100.5 | | | | | | | | | | | | |
| 17.1 9., 1.4 3.0 V.m 12.4 24.2 9.8 4.7 2450 100.0 | | | | | | | | | | | | |
| 7.1 9.7 7.4 3.0 V.T. 12.4 24.2 9.8 4.7 2457 100.0 | | | | | | | | | | • • • • | | • - |
| 7.1 9. 7.4 3.5 V.T. 12.4 24.2 9.8 4.7 2457 100.5 | 1000 | | | | | | | | | | | |
| 17.1 9., 1.4 3.0 V.m 12.4 24.2 9.8 4.7 2450 100.0 | | | | | | • | | | | | | |
| 7.1 9.7 7.4 3.5 V 12.4 24.2 9.8 4.7 2857 100.5 | 100 | - | | | | | | | | • | • | |
| 1 17.1 9.7 1.4 3.5 V. T. 4 24.2 9.8 4.7 Z455 100.5 | 4.2 | | | | | | | | | | | 1 |
| 7.1 9.7 7.4 3.0 V 12.4 24.2 9.8 4.7 2857 100.0 | | 1 | | | | | • | | | • | • | |
| 100 ACC 17.1 9.7 1.4 3.5 V. T. 12.4 24.2 9.8 4.7 2457 100.0 | | | | : | | | | | | | | |
| 7.1 9.7 7.4 3.0 9.7 7.4 24.2 9.8 4.7 Z450 100.0 | 40.0 | | | | | | | | | ' | | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | + | | * | • | | | | | • | | • ; |
| . 1 % | | | | | | | | | | | | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | • | | | | • | | | | ı | | . 1 |
| There 1 77.11 9.71 5.41 3.51 9.71 12.41 24.2 9.81 4.71 2457 100.0 | | | | | | | • | | | 4 | • | |
| | | | | | | | | | | – | | i i |
| | TOTALS | 17.1 | σ., | - 4 | 3.0 | ખ કે • "ો | 12.4 | 24.2 | 9 • 8 | 4.7 | 2457 | irea•u |

. " G. .

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

vs.

WIND DIRECTION

STATION STATION NAME JANUARY 1973-DECEMBER 1982 JUNE

| | | 17A7.54.42 | **** | | | | · E AR S | | | MCN** | |
|-----------------------------|--------------|-------------|--------------|---------------|-------------|------------------|-------------------|-------------|-------------|----------------|-------|
| | | | | 1 | WIND DIRE | CTION | | | | | |
| TEAMP. | NNW & N | NNE 8 NE | ër-E & f | ESE & 55 | 55 E & 5 | ssw 8 sw | wsw & w | WNW 8 NW | CALM | TOTAL FREQ. | °- OF |
| 122 - | | | | : | | | | | | | |
| 17 10 121 | | | | | | | | | | | |
| 12 to 116 | | | | | | | | | | | |
| 107 TO 111 | | 1 | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 10 101 | | | | | | | | | | | |
| 12 13 36 | | | | | | | | | | | |
| 87 10 91 | | | | | | | | | | | |
| 82 10 86 | | | | | | | | | | | |
| 77 TO 81 | | | | | | | | | | | |
| 12 10 76 | | | | | | | | | | | |
| 57 TO 71 | | | | | | | | | | | |
| 02 10 56 | | | | | - | 33.3 | 66.7 | | | 3 | • 1 |
| 57 TO 51 | | | | 7.1 | 35.7 | 14.3 | 35.7 | 7.1 | | 14 | .6 |
| 52 10 56 | 1.1 | 3.2 | 7.4 | 5 • 3 | 35.1 | 11.7 | 33.0 | | 3.2 | 94 | 3.9 |
| 47 TO 51 | 10.2 | 8.0 | 10.8 | 6.0 | 19.7 | 13.2 | 27.9 | 2.4 | 1.9 | 463 | 19.3 |
| 42 10 46 | 12.9 | 13.8 | 11.2 | 4.4 | 13.6 | 14.4 | 23.9 | 1.7 | 4.1 | 1381 | 57.5 |
| 27 TC 41 | 17.3 | | 7.6 | 1.4 | 5.9 | 13.3 | 24.2 | 1.9 | 9.0 | 422 | 17.6 |
| 11 10 % | 30.4 | 9.1 | | 4.5 | | 9.1 | 4 . 5 | | 36.4 | 22 | • 6 |
| 27 10 31 | i | | | ·-· | | | | | 100.0 | 1 | • 5 |
| <u> 12 10 16 1</u> | | | | | | | | | | | |
| 1 TO 2" + | - | | | <u>+</u> | | | | | | | |
| 12 10 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | - | | | | |
| 2 10 6 | | | | + | | | | | | | |
| - 3 (1-) | | | | | | | | | | | |
| 13 10 9 | | | | | | | | | } | | |
| - 18 10 | | | | | | | | | | | |
| 23 tg - 19 | | | | + | | | \longrightarrow | | | | |
| 25 TO - 24 | | | | | | | | | | | |
| 33 TO - 29 | | | | + | | | | | | | |
| -38 TO -34 | | | | | | | + | | | | |
| -38 TO -34 -43 TO -39 | | | | | | | | | | | |
| 45 10 - 44 | | | - | + | | | + | | | | |
| _25. %2 (241. -23 (0-42) | | | | + | | | | | | | |
| 2 | | | - | | | _ - + | | | | | |
| -75 10 - (4) | ſ | | | | | | | | | | |
| 15 TO 54 51 & 1 WR | | | | + | | | | | | | |

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS. WIND DIRECTION

257 4 ADAK. AN

JANUARY 1973-DECEMBER 1982

JULY

| TEMP. | NNN | NNE | ENE | ESE | 556 | ssw | wsw | WNW | CALM | TOTAL | °: OF |
|--------------|--------------|------|-------|--------------|------|------|------|------|-------|-------|-------|
| IEMP. | 8 N | 8 NE | 8 E | 8 SE | 8.5 | & SW | 8 v. | & NW | CHEN | FREQ. | TOTAL |
| 122 • | | | | | | | | | | | |
| 17 TO 121 | | | | | | | | | | | |
| 112 10 116 | | | | | | | | | | | |
| 07 10 111 | | | | | | | | | | | |
| 02 TO 106 | | | | | | | | | | | |
| 7 10 101 | | | | | | | | | | | |
| 2 10 % | | | | | | | | | | | |
| 7 10 91 | | | 100.0 | | | | | | | 1 | |
| 2 TO 86 | | | 100.0 | | | | | | | ? | |
| 7 10 61 | | | 80.0 | 50.0 | | | | | | 5 | |
| 2 10 76 | | | | | | | | | | | |
| 7 10 71 | | | : | 50.0 | | | 50.0 | | | 2 | |
| 2 10 66 | | | | 11.1 | 11.1 | 22.2 | 55.6 | | | 9 | |
| 7 10 61 | 4.C | | 8.0 | 6.0 | 16.0 | 18.0 | 94.0 | 4.0 | | 50 | 2 . |
| 2 10 56 | 4.4 | 10.2 | 14.4 | 8.2 | 20.2 | 11.1 | 27.5 | 1.6 | 2.4 | 451 | 18. |
| 7 10 51 | 8.7 | 12.7 | 12.4 | 6.5 | 13.2 | 12.6 | 26.7 | 2.3 | 5.0 | 1095 | 44 |
| 2 10 46 | 13.8 | 11.0 | 8.6 | 2.7 | 5.6 | 14.2 | 33.5 | 2.9 | 7.7 | 826 | 33. |
| 7 TO 41 | 8.1 | 16.2 | 2.7 | | 5.4 | 24.3 | 24.3 | | 18.9 | 37 | 1. |
| 32 10 36 | | | | | | | | | 100.0 | 2 | |
| 27 10 31 | | | | | | | | | | | |
| 22 10 26 | | | | | | | | | | | |
| 11.10.21 | | | | | | | | | ļ | | |
| 12 10 10 | | | L | | | | | | | | |
| 10 11 1 | | | | - | | | | | | | |
| 2 70 6 | | | | | | | | | | | |
| -3 13 1 | | | | | | | | | | | |
| 810-4 | | | | | | | | | | | |
| . 13 70 . 9 | | | | | | | | | | | |
| 16 10 -14 | | | | | | | | | | | |
| - 23 to - 19 | | | | | | | | | | | |
| - 28 10 -24 | | | ļ | | | | | | L | | |
| - 33 10 - 29 | | | | | | | | | | | |
| -39 TO-34 | - | | | | | | | | | | |
| -43 tO39 | | | | | | | | | | | |
| - 48 10 44 | | | | | | | | | | | |
| - 53 10 -49 | | | | | | | | | | | |
| -28 10 - 54 | | | | | | | | | | | |
| Lish & LWP | | | | | | | | | | | |
| TOTALS | 9.4 | 11.4 | 11.5 | 5.5 | 11.8 | 13.1 | 29.4 | 2.3 | 5.6 | 2480 | 100. |

3

570h 1040 AV

6.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1982

AUGUST

| | | 1.24.04.44 | • | | | | | | | **C*** | |
|--------------|------------|-------------|--------------|-------|------------|-------------|------------|-------------|------|----------------|-------|
| | | | | | WIND DIRE | CTION | | | | | |
| TEMP. | NNW A N | NNE 8 NE | ENF & F | € S E | 55E & 5 | 55% 8.5W | wsw 8 w | WNW 8 NW | CALM | TOTAL FREQ. | : OF |
| 122 - | | | | | | | | | | | |
| 117 10 121 | | | | | | | | | | | |
| 112 10 116 | | | | | | | | | | | |
| 107 10 :11 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | - | | | |
| 97 10 101 | | | | | | | | | | | |
| 92 10 96 | | | | | | | | | | | |
| 8/ to 91 | | | | | | | 33.3 | 66.7 | | 7 | • 1 |
| 82 10 86 | | | | | | | 50.0 | 50.0 | | | • 1 |
| 22 TO 81 | | | | | 33.3 | | | 66.7 | | 1 | • 1 |
| 72 10 75 | | | | | | | | | | | |
| 67 10 71 | | | | | | 25.0 | 50.0 | 25.0 | | 4 | • 2 |
| 62 10 66 | 14.3 | | 14.3 | | 14.3 | 28.6 | 14.3 | 14.3 | | 7 | . 3 |
| 57 TO 61 | 1.4 | 8.2 | 6.8 | 9.6 | 28.8 | 12.3 | 30.1 | | 2.7 | 73 | 2.9 |
| 52 10 56 | 6.2 | 5.4 | 13.5 | 7.5 | 20.3 | 16.8 | 28.3 | 1.9 | 3.1 | 774 | 31.2 |
| 47 10 51 | 9.2 | 10.1 | 7.1 | 4.3 | 10.1 | 18.5 | 30.5 | 3.3 | 6.9 | 1353 | 54.6 |
| 42 TO 46 | 7.9 | 10.3 | 2.4 | 1.6 | 5.5 | 20.2 | 37.2 | 2.4 | 12.6 | 253 | 10.2 |
| 17 TO 41 | | | | | 12.5 | 50.0 | 12.5 | | 25.D | ٩ | . 3 |
| 32 TO 36 | | | | | | | | | | | |
| 27 10 31 | | | - | i | | | | | | | |
| 22 10 26 | | | 1 | | | | | | | | |
| 17 10 21 | | | | | | | | | | | |
| 12 10 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 10 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | 1 | | | |
| 8 TO - 4 | | | | | | | | | | | |
| 13 10 -9 | | i | | | | | | | | | |
| -18 TO14 | | | | | | | | | | | |
| -21 10 -19 | | | | | | | | | | | |
| -28 10 -24 | | | | | | | | | | | |
| -13 10-29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 Tú - 39 | - I | | | | | | | | | | |
| 45 10 44 | | | | | | | | | | | |
| - 53 10 - 44 | 1 | | | | | | | | | | |
| - 58 TO - 54 | | | | | | | | | | | |
| 59 & LWR | | | | | | 1 | | | | | |
| TOTALS | 7.9 | 8.5 | 7.6 | 5.1 | 13.4 | 18.3 | 30.4 | 2.9 | 6.2 | 2480 | 100.0 |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS. WIND DIRECTION

ADAH , AK

G. .

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JANUARY 1973-DECEMBER 1982 SEPTEMBER

STATION NAME WIND DIRECTION wsw NNW NNE ESE SSE TOTAL TEMP. CALM TOTAL 122 -117 TO 121 112 TO 116 107 10 111 102 10 106 97 TO 101 87 10 91 82 TO 36 77 10 E1 72 10 76 67 10 71 50.0 50.0 62 10 66 7.1 50.0 14.3 57 10 61 21.4 7.1 14 .6 22.6 18.5 11.0 6.5 8.3 19.0 3.6 336 14.0 6.8 3.6 52 TO 56 16.7 11.3 27.2 3.8 1171 47 TO 51 6.4 6.2 3.4 48.8 ?2.J 10.0 4.9 1.8 5.1 11.7 24.9 11.0 771 6.6 32.1 42 TO 46 2.2 10.0 18.5 92 37 TO 41 4.3 1.1 18.5 5 . 4 39.1 3.5 7.1 14.3 14.3 57.1 14 • 6 32 10 36 27 10 31 22 10 26 17 10 21 12 70 16 7 10 11 2 10 6 -3 TO 1 4-C18-- 13 TO -- 9 -16 10-14 - 23 1O - 19 -28 TO-24 -33 10-29 -38 10-34 -43 tO-39 48 10 - 44 - 53 TO -49 -58 TO -54 - 57 8 EWR 3.5 10.7 13.8 24.7 7.5 2400 100.0 TOTALS 17.5 6.5

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. G.

234+ AK

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

JANUATY 1973-DECEMBER 1982

OCTOBER

| | | | | | WIND DIRE | CTION | | | | | |
|-----------------|------------------|-------------|------------|-------------|-----------|-------------|-------------|-------------|------|-------|-------|
| TENF. | 1470 (C) & Ni | NNE & NE | ENE & E | 65E & 5E | \$5 £ | 55W 8.5W | wsw & v. | WNW 8 NW | CALM | TOTAL | TOTAL |
| 122- | | | | | | | | | | | |
| 17 TO 121 | | | | | | | | | | | |
| 11, 10 116 | | | | | | | | | | | |
| ווי סד דמי | | | | | | | | | | | |
| 102 to 106 | | | | | | | | | | | |
| 97 10 101 | | | | | | | | | | | |
| 92 10 96 | | | | | | | | | | | |
| 82 *0 91 | | | | | | | | | | | |
| 82 10 86 | | | | | | | | | | | |
| 77 TO 81 | | | | | | | | | | | |
| 72 10 76 | | | | | | | | | | | |
| 67 10 71 | | | | | | | | | | | |
| 62 10 66 | | | | | | | | | | | |
| 57 10 61 | | | | | 100.0 | | | | | 1 | • (|
| 52 TO 56 | 2.4 | | 2.4 | 4.9 | 43.9 | 36.6 | 9.8 | | | 41 | 1. |
| 47 TO 51 | 12.2 | 8.8 | 8.0 | 5.3 | 14.9 | 20.2 | 22.8 | 5.0 | 2.9 | 377 | 15.2 |
| 42 TO 46 | 18.9 | 8.7 | 7.2 | 2.6 | 8.2 | 14.4 | 25.5 | 11.3 | 3.2 | 1108 | 44. |
| 37 TO 41 | 17.1 | 9.8 | 8.2 | 2.1 | 3.0 | 10.3 | 24.5 | 15.3 | 9.7 | 766 | 30.5 |
| 32 10 36 | 17.4 | 11.6 | | 1.2 | | 10.5 | 22.1 | 11.6 | 26.2 | 172 | 6.9 |
| 27 10 31 | 26.7 | 13.3 | 6.7 | | | 6.7 | 6.7 | | 40.0 | 1 द | • 6 |
| 22 10 26 | | | | | | | | | | | |
| 27 10 23 | | | | | | | | | | | |
| 12 0 16 | | | I | | | | | | | | |
| 7 to 11 | | | | | | | | | | | |
| 2 70 6 | | ĺ | | | | | | | | | |
| -3 10 1 | | | | | | | | | | | |
| -810-4 | | | | | | | | | | | |
| -13 TO - 9 | | | | | | | | | | | |
| - 18 10-14 | | | | | | | | | | | |
| - 23 TO 19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 tO-34 | | | | | | | | | | | |
| -43 TO -39 | | | | | | | | | | | |
| · 48 (O=44 | | | | | | | | | | | |
| -1110-49 | | | | | | | | | | | |
| -58 TO -54 | | | | | | | | | | | |
| -59 8 .WR | | | | | | | | | | | |
| TOTALS | 17.0 | 9.1 | 7.1 | 2.8 | 7.6 | 14.1 | 24.2 | 11.3 | 6.9 | 2480 | 100.0 |

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

257 4 ADAR, AK

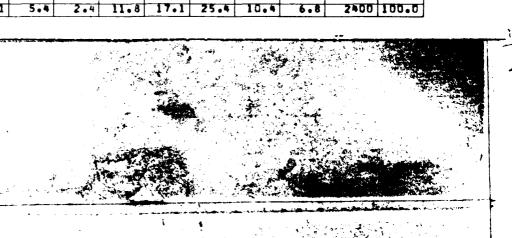
G.

JANUARY 1973-DECEMBER 1982

STATION NAME WIND DIRECTION C. OF & NE 8 S W FREQ. TOTAL 122 117 10 121 112 FO 116 107 10 111 102 TO 106 97 10 101 92 10 96 87 TO 91 82 TO So 77 TO EL 72 10 76 67 10 71 62 10 66 57 10 61 100.0 52 10 56 39.3 42.9 14.3 1.2 3.6 28 47 TO 51 2.2 4.2 4.8 25.8 35.0 2.2 5.6 17.6 2.5 357 14.9 42 10 46 10.3 10.9 2.9 9.8 7.9 2.2 13.0 16.9 26.1 46.7 1121 37 10 41 17.9 11.4 3.1 1.2 4.4 9.4 30.2 12.3 10.1 754 31.4 32 10 36 7.6 110 16.8 5.9 14.3 21.8 5 • C 27 10 31 . 8 29.4 6.7 13.3 33.3 46.7 15 •6 22 10 26 25.0 75.0 1/ 10 21 12 TO 16 7 10 11 2 10 6 ~3 to 1 --810-4 -13 TO -9 --18 10-14 - 23 TO - 19 -33 TO -29 -3: TO-34 -43 to-39 - 48 TO -- 44 - 58 TO - 54 -59 & LWR 2400 100.0

NAVWEASERVCOM

11.6



6.

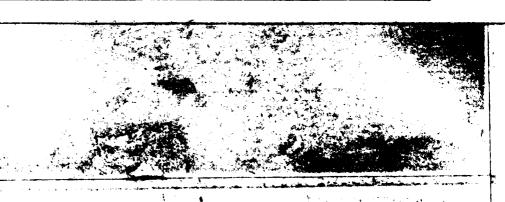
ASAK. AH

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JANUARY 1973-DECEMBER 1982 DECEMBER

| | | 5 * A * : 0 % * . 2 | 4 * . * 6 | | | | * F AP ' | | | ***** | |
|-------------|------------|---------------------|------------|-------------|-------------|---------------|------------|-------|-------|-------------|-------------|
| | | | | | WIND DIR | ECTION | | | | | |
| TEMP. | NNV & N | NNE & NE | ENE & F | ESE & SE | 55 E & 5 | 55 W & 5 W | wsw & w | 4 N W | CALM | TOTAL | OF TOTAL |
| 122 - | | | | | | | | | | | |
| 17 70 121 | | | | 1 | | | | | | | |
| 112 10 116 | | | | | | | | | | | |
| 107 10 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 10 101 | | | | | | | | | | | |
| 92 10 % | | | | | | | | | | - | |
| 87 TO 91 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 77 10 81 | | | | | | | | | | | |
| 72 10 76 | | | | | | | | | | | |
| 67 10 71 | | | | | | | | | | | |
| 62 10 66 | | | | | | | | | | | |
| 57 TO 61 | | | | | | | | | | | |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | | | | 100.0 | | | | ζ. | • |
| 42 10 46 | 1.2 | 3.7 | 34.6 | 14.8 | 25.9 | 13.6 | 6.2 | | | 81 | 3. |
| 37 TO 41 | 7.3 | 15.7 | 21.4 | 6.7 | 18.2 | 13.9 | 12.3 | 2.2 | 2.3 | 683 | 27. |
| 32 TO 36 | 11.0 | 13.3 | 10.6 | 4.0 | 8.2 | 14.1 | 24.7 | 9.5 | 4.6 | 1120 | 45. |
| 27 TO 31 | 19.3 | 12.4 | 1.1 | • 2 | 3 • 5 | 7.8 | 22.6 | 19.7 | 13.4 | 461 | 18. |
| 22 10 26 | 1.2 | 2.4 | 2.4 | | | 14.5 | 12.0 | 6.0 | 61.4 | 8.3 | 3. |
| 17 10 21 | | | 2.9 | | 2.9 | 23.5 | 14.7 | 2.9 | 52.9 | 34 | 1. |
| 12 10 16 | | | | | | 12.5 | | | 87.5 | 8 | • |
| 7 10 11 | | | | | | | | | 100.3 | 1 | • |
| 2 10 6 | | | | | | | | | | | |
| -3 10 1 | | | | | | | | | | | |
| 8 TO~4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| - 18 10-14 | | | | | | | | | | | |
| -23 TO -19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 10-29 | | | | | | | | | | | |
| -38 TO -34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 10 - 44 | | | | | | | | | | | |
| -53 TO-4+ | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| -50 8 LWR | .,, | | | | | | | | | | |
| TOTALS | 10.7 | 12.8 | 12.2 | 4.2 | 10.3 | 13.2 | 19.6 | 8.8 | 8.3 | 2476 | 100. |



PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

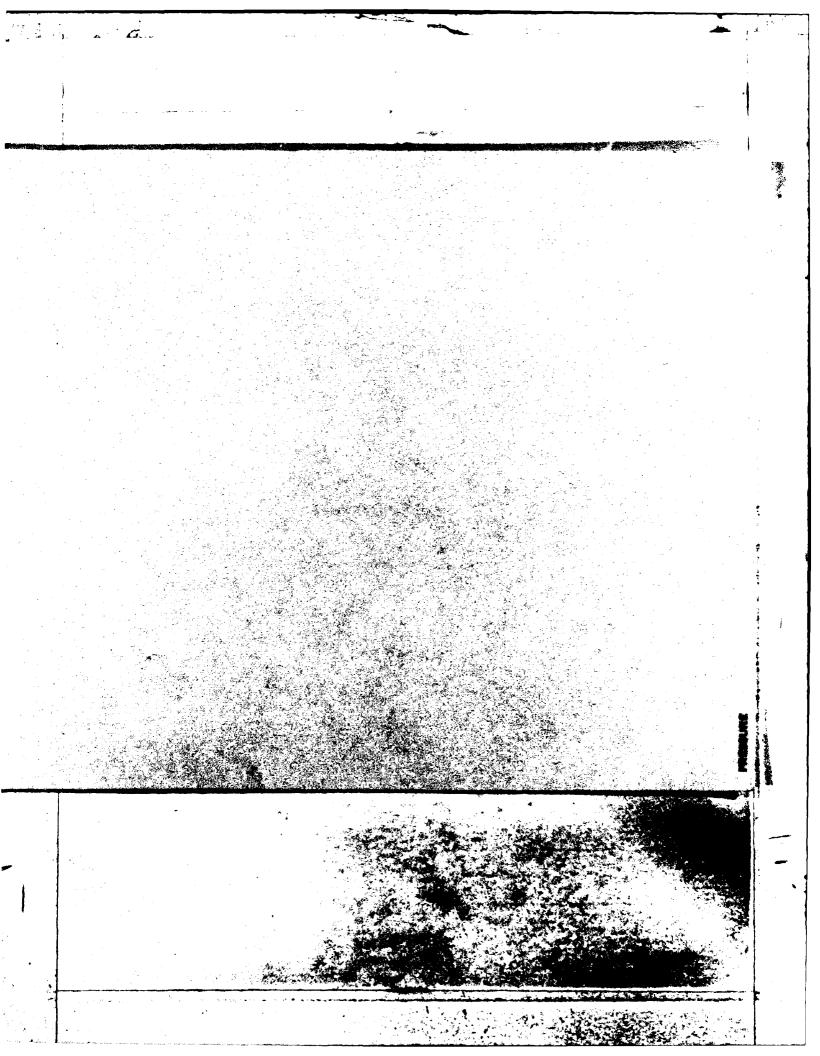
WIND DIRECTION

STATION ANAH, AK

, G.

JANUARY 1973-DECEMBER 1982

| | | Total A.S. | 4 | | | | · F A 4 | | | ** *, * | |
|--------------|-------|------------|--------------|----------------------------|-----------|-------|--------------|--------|-------------------------------|-------------------------------------|-------|
| | | | | | WIND DIRE | CTION | | | | | |
| TEMP. | NNW | reret | ENE | f 5 F | 55€ | 55 15 | 828 | WAW | (A,Ur | 7 " A. | ्रा |
| | -8 N | 8 NE | * -E+ | - <u>v 2f</u> → | | 8 5 W | | - 8 NW | | FF1O. | TOTAL |
| 122 | | i | | + | + | | | | | | |
| 117 70 121 | | + | | | | | | | | | |
| 112 10 116 | · | | + | | | | | | | | |
| 107 10 111 | | | | + | · | | | | | | |
| 102 ₹○ 106 | | | | | | | | | | | |
| 97 10 101 | | | | | | | + | | | | |
| 92 10 36 | | | | | | | 3. | | · · · · · · · · · · · · · · · | | |
| 82 10 31 | | | 25.0 | | | | 25.0 | 50.0 | | | |
| 82 TC 80 | | | 50.0 | | | | 25.0 | 25 . 0 | | · · · · · · · · · · · · · · · · · · | • |
| 77 TO 81 | | | 50.0 | 12.5 | 12.5 | | | 25.0 | | | |
| 172 TO TE | | | | 16.7 | + | | 50.0 | | | | |
| 5' 10 7! | | | | | | 16.7 | | 10.7 | | - 6 | • ? |
| 62 10 60 | 4 . 8 | | 4.8 | 4 . 8 | 14.3 | 28.6 | 38.1 | 4.8 | | 21 | • 1 |
| 57 10 61 | 2.0 | 3.9 | 6.6 | 9.2 | 27.6 | 14.5 | 32.9 | 2.0 | 1.3 | 152 | . 5 |
| 52 TC 56 | 6.3 | 6.6 | 10.7 | 7.4 | 22.0 | 16.2 | 25.9 | 2.0 | 2.9 | 1707 | 5.8 |
| 47 10 51 | 11.2 | 10.7 | 8.6 | 5.0 | 12.7 | 15.9 | 27.5 | 3 . 8 | 4.6 | 4562 | 15.6 |
| 42 10 46 | 13.5 | 9.8 | 8.4 | 4.3 | 11.6 | 16.8 | 25.3 | 5.2 | 5.2 | 5892 | 20.2 |
| 37 TQ 43 | 12.3 | 10.5 | 11.0 | 4.8 | 12.2 | 16.2 | 21.5 | 7.2 | 4.9 | 6835 | 27.4 |
| 32 10 36 | 15.0 | 14.6 | 10.6 | 3.7 | 7.7 | 11.5 | 20.6 | 9.6 | 6.8 | רסרל | 24.0 |
| 27 10 31 | 18.5 | 15.0 | 6.9 | 1.2 | 3.2 | 7.3 | 19.7 | 14.2 | 14.0 | 2279 | 7.8 |
| 22 10 26 | 19.4 | 12.2 | 1.2 | | 3.1 | 7.0 | 12.9 | 11.7 | 32.5 | 582 | 2.0 |
| 1, 10 / | 5.0 | 5.0 | • 8 | | 3.3 | 13.2 | 10.7 | 9.9 | 52.1 | 121 | . 4 |
| 12.10 16 | | | 3.6 | | 3.6 | 3.6 | 10.7 | | 78.6 | 2.8 | • 1 |
| 7 10 11 | | | | - ; | | | | | 100.0 | | |
| 100 | | | | | | | | | | | |
| -3 10 1 | | | | | | | | | | | |
| -8 °0-4 | | | | | | | | | | | |
| - 13 10 - 4 | | | | | | | | | | | · |
| -16 TU-14 | | ··· | | | | | | | | | |
| - 23 10 - 15 | | | | | | | | | | | |
| - 28 TO - 24 | | | | | | | | | | | |
| -33 10 - 29 | | | | | | | | | | | |
| -38 TO-34 | | | | | | | | | | | |
| -43 TO- 39 | | | | | | | | | | | |
| - 48 10 - 44 | | | | | | | | | | | |
| -53 10 -49 | | | | | | | | | | | |
| - 58 10 - 54 | | | | | | | | | | | |
| -59 & LWP | 13.2 | 11.4 | 9.4 | | 10.8 | 14.2 | 22.8 | 7.1 | 6.8 | 29207 | 100.0 |
| TOTALS | 13.2 | 11.4 | 7.4 | 4.3 | 10.8 | 1402 | 64.0 | | | 27207 | 10000 |



NOCD, rederal Building Asheville, N. C.

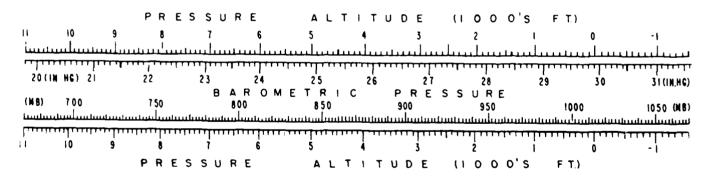
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

CEA LEVEL PARSS HE IN MAIN FAUM HOUMEN OUSERVATIOUS

71.0

STATION STATION NAME JUN. AUG. SEP. HRS LST. 1005.4 20.5) 29.71.70.99 300.510.7.99 011.90 012.90 010.90 011.40 007.69 672.7 798.9 14.071]~. - 1] 15 - 3 7 2 15 - 5 1 4 1 2 - 7 7 4 1 ~ - 8 5 3 1 C - 3 5 5 | F - 4 8 8 | 8 - 8 5 2 1 | - 7 6 6 1 4 - 6 0 8 1 4 - 6 7 8 1 5 - 5 6 1 TOTAL OBS 302 310 30 310 300 310 310 300 710 300 300 296.2 999.51002.11007.91007.5h011.4h012.4h016.5h011.1h07.7.2h.02.4 998.7 S D. 1~.5(115. - 715.043)2.88010.898)10.301; 4.457 8.856(10.74:14.615)4.43615.477 14.602 3 7 1°2 312 300 310 300 310 310 310 300 310 3561 996.1 998.21000.31008.11307.71011.71012.61013.61011.21007.21002.5 998.6 S D 14.61218.36315.12113.31343.93140.93149.250 8.490 8.91313.87514.51114.22615.348 310 300 310 3.0 300 310 300 TOTAL OBS 32 x . 2_2. 31L 3 20. 496.61.72.11978.91.204.51297.91811.90812.81812.51311.91807.51807.1 999.1 MEAN S. D. 14.70415.56615.22112.96010.94110.173 8.478 8.99911.85714.38514.12615.112 13.951 303 310 311 300 TOTAL OBS 2:2. 317. 320 312... 496. 3507.01070. 1078.41077.81011.81012.61010.61011.11007.11072.5 998.9 MEAN 14.60315.04218.17312.70713.73610.152 3.444 9.06110.98414.32014.31215.608 5, D. TOTAL CES 319 320 310 312 320 11. 3.20 395.7 999.41800.21809.1007.61811.58012.58017.218010.71786.8107.8 998.8 MEAN 1005.3 S D. 14.77645.59215.07512.67110.67310.194 6.362| 9.07110.97614.09514.57515.379 13.573 TOTAL GBS 310 252 312 300 310 300 31d 31d 31d 300 31C MEAN 295.1 999.71 00 .31 008.31007.51011.41012.51014.31011.011007.31002.3 998.5 S. D. 14.66615.54115.15512.56210.71210.302 6.326 9.65116.94414.14414.63015.572 13.972 996.4 999.91:00.61038.71998.21012.01013.11011.01011.51007.71002.66 998.8 14.51615.67315.27312.5481..63310.362 8.386 8.96111.01214.31414.62015.637 14.076 TOTAL OBS 300 310 300 310 310 300 310 300 <u> 310 232 31</u>3 396.2 999.71000.51308.31007.81C11.71012.71.019.61C11.21007.31002.5 998.7 1005.6 ALL 5. D. 14.63115.67315.12312.77410.80610.250 5.419 8.96310.87314.35814.41315.460 HOURS 2476 2756 2450 2430 2480 2400 2480 2480 2480 2480 2400 2476

NAVWEASERVCOM

4"4", 4

MEANS AND STANDARD DEVIATIONS

STATED PRESSURE IN INCHES HE FROM HOURLY SUSERVATIONS

 $A \cap L = \{A \cap A\}$

TEARS

| HRE LST | | JAN | FEB | MAR | | YAM | JUN. | JUL. | AUG. | SEP. | OCT. | NOY | DEC | ANNGAL |
|--------------|-------------|----------------------|-------------------|--------------|----------------|--------------|--------------|------------|---------------------|----------------|---------------------|---------------------|-------------------|----------------|
| | MEAN | 74.4132 | 9.507 | Y . 5740 | 9.7532 | 9.749 | 9.365 | 3.665 | 70 7 - | 10.854 | 29.74% | 79.5962 | 9.435 | 29.6 3 |
| | S. D | . 4.20 | . 468 | • 44 G | .377 | .371 | .306 | .351 | • 252 | .315 | .432 | 431 | • 4 6 5 | .415 |
| | TOTAL OBS | 3 19. | 232. | . 212 | 3.2 1 . | 312. | 320 : | 310 | <u> </u> | 100 | 310 | <u>370</u> . | | 3651 |
| | MEAN | | 9.500.0 | 0.5135 | 9.75.2 | | 9.354 | 19.881 | 19.125 | 20.43 | <u>.</u> 29.7280 | , 10.5882 | 9.476 | 20.676 |
| | 5 P | •43D | 41.7 | 444 | 7.2 | .332 | | 251 | | | .432 | 477 | | .414 |
| | TOTAL DAS | \$29 | ∠ ≗2. | 31 0. | 300. | 31 0. | . 223. | 313 | | <u> 3. C</u> . | <u> 310</u> | ∳ ∩ m a Sa, | 310. | . 711 |
| | ME VIN | | ر مورون الم | 9.5757 | .7542 | 9.7432 | 9.361 | 9.286 | 29.130 | 3.846 | 29.728. | 29.5957 | 9.474 | - 29.679 |
| | : D | 3.7 | 452 | .447 | .384 | .324 | .303 | . 251 | . 26 4 | .319 | .420 | . 420 | 44 7 7 | . 4 ? 4 |
| | TOTAL OBS | . 3 ±2 | 212 | 31 | 325. | 315 | 122. | 112 | | . 255 | | 1 <u>04</u> . | 315. | 7.51 |
| | MEAN | n .6152 | 9 107 | 7.542 | 9.7672 | 9.75 2 | 9.368 | 9.874 | 29.534 | | 29.738 | 39.67 7P | 9.489 | 20.40] |
| | ₹ 5. | 4.34 | UAD | 453 | 707 | 374 | .301 | .251 | . 26.7 | .321 | .425 | .417 | 4 5 3 | .41 |
| | TOTAL OBS | 329 | 1.12. | 311 | J 22. | 312. | JOQ. | 112. | 312. | <u> </u> | 310 | <u>∴^Q.</u> | 310 | . *** 1 |
| | MEAN | | 9.6151 | つ。5437 | 9.7642 | 29.7479 | 9.865 | 9.892 | 29 • 1 2 7 6 | 20.845 | ^ 7 7 7 5 | ဥမ ့် ဥရတ္ဘာ | 9.473 | 20.€4 |
| , | 2, | 4 2.7 | | | . 381 | | | | | | .423 | . 423 | | . 4 1 3 |
| | FOTAL OF S | 312. | 1.52. | د 31 | 300 | 310. | 323. | 313 | 111 | _ 3~′. | 3.1. | ្រុះពី១, | 200 | 765 |
| | MEAN | 2 / . 3 7 1 1 | 9.499 | 9.5212 | 9.754 | 9.740 | 9 • 55 | 94.885 | 29.016. | 29.532 | 29.717 | 24.5752 | 3,444 | 29.67] |
| | 5 0 | 471 | 4 5 9 | . 445 | .376 | .314 | . 3 1 | . 248 | | . 324 | .416 | .478 | _4 [©] 4 | • 413 |
| | TOTAL ORS | 312. | 212. | .3.1 =, | 3110. | 310 | 300. | <u> </u> | 313 | | 717 | <u> 300</u> . | 775. | 36.93 |
| | MEAN | 4527 | າງ ເຕດ ວິດ | 9.5240 | 9.7613 | 9.7412 | 9.854 | 9.886 | 29.819 | 29.84 | 29.732 | 25.595E | 9.472 | 29.67 |
| | 5 D. | . 4 73 | 46 | 445 | . 371 | .316 | 3714 | .247 | .266 | • 322 | .413 | . 432 | 457 | .41 |
| | TOTAL OBS | 319. | 2 3 2 | 3.1 | . 200 | 31 | 100 | 310 | 310 | 3 nc | 310 | 300 | 3,75. | |
| | MEAN. | | 9.514 | 15.5340 | 9.7742 | 29.7572 | 9.370 | 9.902 | 29.639 | 29.857 | 29.743 | 29.5942 | 9.479 | 29.401 |
| | S.D. | 4.72 | 1 | | 370 | | . 3.77 | | | .325 | | | .461 | .41: |
| | . TOTAL OBS | 31 | 2.12. | 310 | 3 D D. | | 300 | | 1 | 200 | 310 | <u>30</u> 4 | 3.40 | 365) |
| | MEAN | | 9 5 8 | 9.5295 | 9.751 | 29.74e | 9.362 | 9.890 | 29 - 29 | 29.847 | 29.731 | 29.5902 | 9.477 | 29 • 6 ° : |
| ALL HOURS | S D. | 4.7 | 461 | 446 | 377 | •310 | | 257 | _ | .321 | | . 425 | 4 5 6 | . 4] 4 |
| NOURS | TOTAL OBS | • | 2256 | | 2400 | 2480 | 2450 | 2487 | 2480 | 2400 | - 1 | 7400 | 2476 | 29278 |

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